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ABSTRACT

This document presents data from 115 U.S. and Canadian research libraries that were members of the Association of Research Libraries (ARL) during the 1993-94 fiscal year. The Preservation Statistics questionnaire which is included is designed to yield statistical information on the current level of preservation efforts in research libraries, and on the key organizational, functional, and fiscal components that characterize preservation programs. The report is divided into three parts. In the first section, summary data tables display the aggregated statistics describing the current level of preservation efforts in ARL libraries. The tables show statistics for: personnel; expenditures; conservation and preservation treatment; and preservation microfilming. The second section provides an analysis of the core data for all reporting ARL libraries. The key organizational, functional, and fiscal components that characterize preservation programs in ARL libraries and that distinguish between program levels are analyzed. The third section is an analysis of core data based on size of collection. A copy of the annual questionnaire and footnotes to the 1993-94 Statistics are also provided. (Author/AEF)

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ARL PRESERVATION STATISTICS

1993-94

A Compilation of Statistics from the Members of the Association of Research Libraries

IR055912

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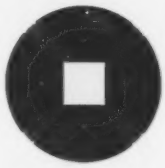

ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, DC
1995

ARL PRESERVATION STATISTICS

1993-94

A Compilation of Statistics from the Members of the Association of Research Libraries

Compiled by

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Introduction

The 1993-94 *ARL Preservation Statistics* presents data from 115 U.S. and Canadian research libraries that were members of the Association of Research Libraries during the 1993-94 fiscal year.[1] The ARL membership consists of 108 university libraries and 11 public or private, independent research libraries.

The 1993-1994 Preservation Statistics questionnaire is designed to yield statistical information on the current level of preservation efforts in research libraries, and on the key organizational, functional, and fiscal components that characterize preservation programs.

Among the significant developments that took place in research libraries in the 1980s was the emergence of preservation programs, configured as distinct administrative units, separately staffed, funded, and administered. Since 1987-88 the number of programs managed by a preservation administrator has grown steadily from 76 to 92 in 1993-94. That development was accompanied by significant growth in preservation expenditures and staffing across the ARL membership. The 1993-94 data show that this expansion has halted. For the past two years, preservation expenditures have levelled off. Preservation expenditures for ARL's 115 reporting member libraries as a whole were $77,674,363, a small increase over last year's expenditures. Total professional and support personnel also showed only minimal growth. Preservation activities for ARL's 115 libraries as a whole increased slightly. Most of the growth was reported in the category of minor treatments, while the number of more complex and time-consuming procedures declined.

Preservation microfilming production continued to grow. In 1988, the National Endowment for the Humanities began a multi-year, expanded cooperative preservation microfilming program. Since then, ARL libraries have participated extensively in that program. University libraries in the aggregate reported that special grants from external sources accounted for about 12 percent of the total preservation expenditures. Grant funds were expended predominantly on preservation microfilming projects. The chart on page 6 shows that ARL member libraries preserved 127,650 volumes on microfilm. One notable trend over the past six years is greater reliance on contract filming services. The counts for inhouse production of preservation microfilm masters have steadily declined as use of outside film laboratories has expanded.

The *ARL Preservation Statistics* provides a broad range of quantitative data and should not be used as a measure of quality of preservation programs. Preservation efforts encompass a diverse array of activities, and there are substantial differences in the nature of preservation work. ARL preservation statistics cannot completely capture the richness, sheer variety, and full extent of each library's preservation commitment. Much progress has been achieved, however, in increasing the consistency and hence comparability of the reported quantitative data.

Most of the data contained in this publication are descriptive indices of preservation activities in research libraries, including preservation staffs and expenditures, and productivity. The data are also

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1 The Newberry Library withdrew from membership in the Association of Research Libraries in January 1993. This library's data are included in the preservation statistics prior to 1992-93. The University of Alberta, Howard University, University of Iowa, and the Canada Institute for Scientific and Technical Information (CISTI) were unable to report their data to the 1993-94 *ARL Preservation Statistics*.

SUMMARY OF PRESERVATION DATA

1988/89 - 1993/94

Category	1988/89	1989/90	1990/91	1991/92	1992/93	1993/94
No. of Institutions Reporting	107	115	117	119	114	115
No. of Preservation Administrators	76	86	90	95	91	92
Total Staff Library-wide Engaged in Preservation Activities	1,620.52	1,760.73	1,744.34	1,867	1,841.99	1,900.20
Total Preservation Expenditures	$60,714,802	$66,045,392	$70,705,449	$76,550,655	$76,793,364	$77,674,363
Conservation Treatment (volumes)	Contract: Minor: 2,336 Interim: 8,393 Major: 4,623 In-house: Minor: 658,711 Interim: 176,901 Major: 17,113 Total contract: 16,801 Total in-house: 888,868	Contract: Level 1: 5,162 Level 2: 4,906 Level 3: 3,090 In-house: Level 1: 682,735 Level 2: 272,464 Level 3: 32,233 Total contract: 15,697 Total in-house: 987,432	Contract: Level 1: 3,970 Level 2: 2,317 Level 3: 2,376 In-house: Level 1: 668,597 Level 2: 271,508 Level 3: 16,253 Total contract: 8,717 Total in-house: 956,358	Contract: Level 1: 2,979 Level 2: 7,957 Level 3: 2,794 In-house: Level 1: 1,035,955 Level 2: 257,934 Level 3: 21,665 Total contract: 18,029 Total in-house: 1,316,757	Contract: Level 1: 4,756 Level 2: 3,826 Level 3: 3,208 In-house: Level 1: 664,860 Level 2: 262,022 Level 3: 21,033 Total contract: 12,278 Total in-house: 952,097	Contract: Level 1: 2,703 Level 2: 3,054 Level 3: 3,028 In-house: Level 1: 680,602 Level 2: 243,421 Level 3: 20,701 Total contract: 8,424 Total in-house: 982,830
Microfilming	Titles: 75,198 Volumes: 60,502 Exposures: 18,254,133	Titles: 68,904 Volumes: 92,093 Exposures: 23,687,873	Titles: 77,740 Volumes: 123,233 Exposures: 28,264,637	Titles: 93,052 Volumes: 204,934 Exposures: 28,892,445	Titles: 104,818 Volumes: 124,455 Exposures: 32,844,044	Titles: 106,733 Volumes: 127,650 Exposures: 29,900,149

Source: *ARL Preservation Statistics*. (Washington, D.C.: Association of Research Libraries, 1995)

useful in determining the organization of preservation units and the components of preservation programs. Each library's total expenditures and materials expenditures, as reported in the 1993-94 *ARL Statistics*, are displayed in the tables together with the percentage of preservation expenditures.

Those using the *ARL Preservation Statistics* to compare activities in individual institutions will need to consult the definitions used in the instructions as well as the "Footnotes to the ARL Preservation Statistics." Although the definitions and procedures used in the Preservation Statistics questionnaire aim at achieving consistency, variant reporting practices do exist among ARL libraries. Care should be used in comparing this year's data to data collected in the previous years. Four libraries that were included in previous reports did not report their 1993-94 data.

The report is divided into three parts: Summary Data Tables, Analysis of Core Data for All Reporting ARL Libraries, and Analysis of Core Data Based on Size of Collection.

Part I: Summary Data Tables displays the aggregated statistics describing the current level of preservation efforts in ARL libraries. The data tables contain statistics from all respondents for five major data categories.

Part II: Analysis of Core Data for All Reporting ARL Libraries provides analysis of the responses without displaying the data from individual libraries. The analysis includes data from all reporting university and nonuniversity libraries. The key organizational, functional, and fiscal components that characterize preservation programs in ARL libraries and that distinguish between program levels are analyzed.

Part III: Analysis of Core Data Based on Size of Collection provides statistical measures in four groupings by size of library.

Again, all the data in this publication are quantitative and descriptive and are not indicative of qualitative factors. In comparing any individual library preservation program to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and preservations needs.

Part I:

Summary Data Tables

TABLE I: PERSONNEL (FTE)

INSTITUTION	Pres. Admin. 1	% Time on Pres. Activ. 2	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
ALABAMA	yes	50%	.65	.95	1.00	2.60	.65	1.31	1.50	3.46
ALBERTA	.	.	.	.	.	.	.	.	.	.
ARIZONA	no	.	.00	.00	.00	.00	U/A	U/A	U/A	U/A
ARIZONA STATE	yes	100%	1.00	3.20	1.20	5.40	1.00	4.15	1.20	6.35
AUBURN	no	.	.00	.00	.00	.00	.60	9.60	2.60	12.80
BOSTON	no	.	.00	.00	.00	.00	.00	4.50	2.00	6.50
BRIGHAM YOUNG	yes	100%	6.00	.00	11.50	17.50	6.00	.00	11.50	17.50
BRITISH COLUMBIA	yes	50%	1.00	1.00	.00	2.00	1.36	9.34	.12	10.82
BROWN	yes	100%	2.00	6.00	1.50	9.50	4.00	10.00	3.00	17.00
CALIFORNIA, BERKELEY	yes	100%	4.42	22.69	11.89	39.00	15.22	35.99	24.96	76.17
CALIFORNIA, DAVIS	yes	100%	1.00	5.50	2.20	8.70	1.00	5.50	2.20	8.70
CALIFORNIA, IRVINE	yes	75%	.75	5.00	4.70	10.45	.75	5.00	4.70	10.45
CALIFORNIA, LOS ANGELES	yes	100%	1.00	.75	.49	2.24	1.30	6.64	5.87	13.81
CALIFORNIA, RIVERSIDE	yes	25%	.25	.00	.00	.25	.25	2.35	.68	3.28
CALIFORNIA, SAN DIEGO	yes	60%	.00	.00	.00	.00	1.24	9.48	4.10	14.82
CALIFORNIA, SANTA BARBARA	yes	10%	.10	5.50	2.00	7.60	.10	7.50	2.50	10.10
CASE WESTERN RESERVE	yes	100%	1.15	2.30	.00	3.45	1.25	3.83	.00	5.08
CHICAGO	yes	100%	2.00	7.23	2.03	11.26	3.09	17.47	4.27	24.83
CINCINNATI	yes	50%	1.00	4.00	1.88	6.88	1.25	4.00	1.89	7.14
COLORADO	yes	100%	1.00	8.90	5.27	15.17	1.05	9.12	5.47	15.64
COLORADO STATE	yes	100%	1.00	6.00	1.00	8.00	1.30	6.00	1.00	8.30
COLUMBIA	yes	100%	6.00	26.60	7.50	40.10	9.10	30.20	9.30	48.60
CONNECTICUT	yes	100%	2.00	4.70	5.00	11.70	2.40	6.40	6.90	15.70
CORNELL	yes	100%	8.40	25.00	3.27	36.67	8.41	28.10	3.52	40.03
DARTMOUTH	no	.	.00	.00	.00	.00	2.00	6.50	.50	9.00
DELAWARE	yes	100%	1.00	5.00	7.11	13.11	1.25	5.75	7.36	14.36
DUKE	no	.	.00	1.00	1.40	2.40	.71	11.40	4.60	16.71
EMORY	yes	100%	2.00	1.25	3.14	6.39	2.30	5.88	4.31	12.49
FLORIDA	yes	100%	4.00	7.00	4.25	15.25	4.00	9.35	4.75	18.10
FLORIDA STATE	yes	10%	.00	.00	.00	.00	1.85	5.10	.00	6.95
GEORGETOWN	yes	100%	1.00	2.00	.25	3.25	1.20	7.00	1.00	9.20
GEORGIA	no	.	.00	.00	.00	.00	2.20	10.30	5.00	17.50
GEORGIA TECH	no	.	.00	.00	.00	.00	.30	2.00	.20	2.50
GUELPH	no	.	.00	.00	.00	.00	.50	3.20	1.00	4.70
HARVARD	yes	100%	18.46	53.50	9.76	81.72	22.16	62.61	16.21	100.98
HAWAII	yes	100%	2.00	5.00	6.00	13.00	2.00	7.00	7.00	16.00
HOUSTON	no	.	.00	.00	.00	.00	.30	3.20	8.00	11.50
HOWARD	.	.	.	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	no	.	.00	.00	.00	.00	.00	3.20	.35	3.55
ILLINOIS, URBANA	yes	100%	2.00	2.82	1.54	6.36	7.80	7.67	6.23	21.70
INDIANA	yes	100%	3.00	7.59	2.79	13.38	7.55	14.86	6.54	28.95
IOWA	.	.	.	.	.	.	.	.	.	.
IOWA STATE	yes	100%	1.00	2.50	1.60	5.10	1.00	2.50	1.60	5.10
JOHNS HOPKINS	yes	100%	2.00	6.10	1.20	9.30	2.02	7.20	16.20	25.42
KANSAS	no	.	.00	.00	.00	.00	1.11	5.02	6.37	12.50

TABLE I: PERSONNEL (FTE)

INSTITUTION	Pres. Admin. 1	% Time on Pres. Activ. 2	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
KENT STATE	no	.	.00	.00	.00	.00	.00	3.00	1.00	4.00
KENTUCKY	yes	100%	1.04	7.31	4.64	12.99	1.94	12.11	7.84	21.89
LAVAL	yes	100%	1.00	7.00	.00	8.00	1.20	7.00	.30	8.50
LOUISIANA STATE	yes	100%	1.00	1.50	1.00	3.50	1.00	7.60	4.25	12.85
MCGILL	yes	10%	.10	.00	.50	.60	.10	1.00	.50	1.60
MCMASTER	yes	100%	1.00	2.00	.25	3.25	1.00	3.00	.75	4.75
MANITOBA	yes	100%	1.00	4.00	.00	5.00	1.00	5.50	.00	6.50
MARYLAND	yes	100%	2.00	4.00	6.50	12.50	2.00	6.35	9.00	17.35
MASSACHUSETTS	no	.	.00	.00	.00	.00	.20	3.11	1.59	4.90
MIT	yes	50%	2.10	2.90	1.80	6.80	4.20	4.00	3.60	11.80
MIAMI	yes	5%	.00	.00	.00	.00	.58	10.60	4.75	15.93
MICHIGAN	yes	100%	5.00	20.20	4.70	29.90	U/A	U/A	U/A	U/A
MICHIGAN STATE	yes	100%	1.40	4.40	3.90	9.70	2.00	4.90	4.30	11.20
MINNESOTA	yes	50%	.50	.35	.50	1.35	2.75	9.80	5.95	18.50
MISSOURI	yes	5%	.05	4.00	1.65	5.70	.56	4.50	1.90	6.96
NEBRASKA	yes	50%	.50	7.00	1.50	9.00	2.00	9.50	2.00	13.50
NEW MEXICO	no	.	.00	.00	.00	.00	2.20	6.50	6.50	15.20
NEW YORK	yes	100%	3.05	7.00	3.03	13.08	7.16	13.38	10.50	31.04
NORTH CAROLINA	yes	10%	U/A	U/A	U/A	U/A	3.38	13.00	8.50	24.88
NORTH CAROLINA STATE	no	.	.00	.00	.00	.00	.76	6.19	2.40	9.35
NORTHWESTERN	yes	100%	3.50	6.50	9.29	19.29	4.40	11.46	12.56	28.42
NOTRE DAME	yes	100%	2.00	5.75	2.00	9.75	2.00	7.00	2.50	11.50
OHIO STATE	yes	100%	3.00	6.30	2.20	11.50	4.30	13.60	5.90	23.80
OKLAHOMA	yes	15%	.15	.00	.50	.65	.23	.45	.63	1.31
OKLAHOMA STATE	yes	15%	.15	.00	.00	.15	.50	2.95	2.20	5.65
OREGON	yes	100%	.00	5.50	2.50	8.00	1.20	9.56	6.29	17.05
PENNSYLVANIA	no	.	.00	.00	.00	.00	3.75	8.25	12.00	24.00
PENNSYLVANIA STATE	yes	100%	1.00	2.50	.00	3.50	1.10	12.85	.25	14.20
PITTSBURGH	yes	100%	1.00	3.00	.75	4.75	1.00	3.50	1.00	5.50
PRINCETON	yes	100%	5.00	5.50	3.00	13.50	7.83	11.50	4.33	23.66
PURDUE	yes	10%	.10	.00	.00	.10	.15	5.30	.20	5.65
QUEEN'S	yes	25%	.25	2.00	.00	2.25	.25	2.00	.00	2.25
RICE	yes	30%	.30	1.00	.33	1.63	.35	4.03	.66	5.04
ROCHESTER	yes	100%	2.30	4.70	2.20	9.20	2.40	5.90	3.10	11.40
RUTGERS	yes	50%	.50	.00	.00	.50	1.57	5.92	5.54	13.03
SASKATCHEWAN	yes	33%	.00	4.30	.00	4.30	.25	5.00	.00	5.25
SOUTH CAROLINA	no	.	.00	.00	.00	.00	1.50	4.50	6.00	12.00
SOUTHERN CALIFORNIA	yes	100%	1.00	2.00	1.00	4.00	1.10	2.70	1.20	5.00
SOUTHERN ILLINOIS	yes	100%	1.00	1.00	5.20	7.20	1.50	2.60	7.90	12.00
STANFORD	yes	100%	5.00	13.80	4.23	23.03	6.24	18.88	5.87	30.99
SUNY-ALBANY	yes	100%	2.00	.80	1.20	4.00	2.25	3.30	1.45	7.00
SUNY-BUFFALO	yes	100%	4.00	.00	1.60	5.60	7.40	4.50	6.80	18.70
SUNY-STONY BROOK	yes	100%	1.00	2.00	1.00	4.00	1.00	3.50	1.00	5.50
SYRACUSE	yes	100%	2.00	6.00	.00	8.00	2.10	6.20	.50	8.80
TEMPLE	no	.	.00	.00	.00	.00	3.05	4.85	.75	8.65

TABLE I: PERSONNEL (FTE)

INSTITUTION	Pres. Admin. 1	% Time on Pres. Activ. 2	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
TENNESSEE	yes	100%	.00	.00	.00	.00	1.70	8.50	1.70	11.90
TEXAS	yes	100%	12.38	14.38	1.35	28.11	14.96	32.70	2.68	50.34
TEXAS A&M	yes	25%	.25	1.00	.25	1.50	.60	6.50	4.25	11.35
TORONTO	yes	100%	4.00	20.60	10.00	34.60	5.00	21.60	10.00	36.60
TULANE	no	.	.00	3.00	.75	3.75	.25	3.58	2.06	5.89
UTAH	yes	100%	1.00	7.75	3.50	12.25	1.00	7.75	3.50	12.25
VANDERBILT	yes	100%	1.00	7.00	.00	8.00	1.30	9.10	.19	10.59
VIRGINIA	yes	100%	1.00	5.25	2.50	8.75	1.30	6.50	3.25	11.05
VPI & SU	yes	20%	.00	2.00	3.00	5.00	.00	2.00	3.00	5.00
WASHINGTON	yes	25%	.25	2.00	.75	3.00	.65	11.24	1.85	13.74
WASHINGTON STATE	yes	25%	.05	.58	.00	.63	.10	5.54	1.77	7.41
WASHINGTON U.-ST. LOUIS	yes	100%	1.00	5.00	2.00	8.00	1.00	5.00	2.00	8.00
WATERLOO	yes	10%	.00	.00	.00	.00	.30	7.50	.00	7.80
WAYNE STATE	no	.	.00	.00	.00	.00	1.62	3.95	1.60	7.17
WESTERN ONTARIO	yes	5%	.05	.00	.00	.05	.05	8.40	.00	8.45
WISCONSIN	yes	20%	3.20	11.65	4.75	19.60	3.51	13.02	6.63	23.16
YALE	yes	100%	7.00	36.00	7.00	50.00	9.00	44.00	10.00	63.00
YORK	no	.	.00	.00	.00	.00	.09	3.12	.70	3.91
BOSTON PUBLIC LIBRARY	no	.	.00	.00	.00	.00	3.00	14.00	10.00	27.00
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	yes	25%	1.00	1.00	.00	2.00	1.60	1.60	2.80	6.00
LIBRARY OF CONGRESS	yes	100%	46.00	46.50	.00	92.50	63.00	104.50	.00	167.50
LINDA HALL LIBRARY	yes	25%	.00	.00	.00	.00	2.00	.50	.00	2.50
NATL. AGRICULTURAL LIB.	no	.	.00	.00	.00	.00	.15	.25	.00	.40
NATL. LIBRARY OF CANADA	yes	100%	3.00	2.00	.30	5.30	4.00	13.00	.30	17.30
NATL. LIBRARY OF MEDICINE	yes	100%	6.00	6.00	3.00	15.00	7.00	6.50	3.30	16.80
NEW YORK PUBLIC LIBRARY	yes	100%	8.00	63.00	.00	71.00	17.00	63.00	.00	80.00
NEW YORK STATE LIBRARY	yes	100%	2.50	8.75	.00	11.25	2.50	9.75	.00	12.25
SMITHSONIAN INSTITUTION	yes	100%	3.00	8.00	.50	11.50	3.00	8.00	.50	11.50

Type of Library	Pres. Unit Prof. Staff 3	Pres. Unit Support Staff 4	Pres. Unit Student Assist. 5	Pres. Unit Total Staff 6	Library Wide Prof. Staff 7	Library Wide Support Staff 8	Library Wide Student Assist. 9	Library Wide Total Staff 10
University								
Sum	163.35	489.60	204.29	857.24	255.45	887.56	415.94	1558.95
Nonuniversity								
Sum	69.50	135.25	3.80	208.55	103.25	221.10	16.90	341.25
TOTAL								
Sum	232.85	624.85	208.09	1065.79	358.70	1108.66	432.84	1900.20

TABLE II: EXPENDITURES

INSTITUTION	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
ALABAMA	$46,429	$0	$135,997	$0	$0	$0	$135,997	$4,419
ALBERTA	.	.	.	.	.	.	.	.
ARIZONA	$22,969	$2,500	$260,519	$0	$0	$0	$263,019	$26,454
ARIZONA STATE	$114,300	$10,600	$189,160	$0	$0	$0	$199,760	$14,882
AUBURN	$175,050	$0	$126,588	$0	$4,539	$0	$131,127	U/A
BOSTON	$151,800	$0	$176,883	$0	$0	$0	$176,883	$12,000
BRIGHAM YOUNG	$235,231	$0	$169,411	$0	$0	$0	$169,411	$35,040
BRITISH COLUMBIA	$248,504	$0	$187,715	$0	$36,550	$4,165	$228,430	$5,454
BROWN	$416,633	$18,638	$213,101	$6,064	$16,449	$0	$254,252	$23,222
CALIFORNIA, BERKELEY	$1,829,938	$2,478	$848,936	$97,750	$323,367	$59,109	$1,331,640	$85,504
CALIFORNIA, DAVIS	$231,626	$0	$159,335	$2,929	$14,840	$1,116	$178,220	$7,901
CALIFORNIA, IRVINE	$233,783	$0	$193,404	$250	$3,200	$0	$196,854	$3,500
CALIFORNIA, LOS ANGELES	$311,603	$45,650	$419,208	$11,114	$17,622	$7,060	$500,654	$78,189
CALIFORNIA, RIVERSIDE	$76,522	$0	$157,009	$1,102	$2,044	$0	$160,155	$740
CALIFORNIA, SAN DIEGO	$353,190	$2,808	$315,909	$285	$23,830	$0	$342,832	$30,829
CALIFORNIA, SANTA BARBARA	$176,000	$5,000	$226,392	$0	$0	$0	$231,392	$70,000
CASE WESTERN RESERVE	$107,827	$918	$122,793	$2,643	$0	$0	$126,354	$4,650
CHICAGO	$521,211	$18,898	$443,952	$8,175	$141,326	$25,234	$637,585	$16,841
CINCINNATI	$252,886	$0	$147,873	$0	$280	$0	$148,153	$10,495
COLORADO	$269,535	$0	$184,361	$1,696	$0	$146	$186,203	$1,630
COLORADO STATE	$216,496	$1,496	$145,000	$9,210	$206	$0	$155,912	$6,535
COLUMBIA	$1,016,020	$35,419	$643,119	$13,575	$327,049	$5,500	$1,024,662	$57,739
CONNECTICUT	$395,421	$49,698	$232,190	$0	$0	$0	$281,888	$10,235
CORNELL	$700,777	$0	$218,366	$27,685	$253,362	$0	$499,413	$216,583
DARTMOUTH	$165,735	$670	$162,236	$0	$0	$0	$162,906	$9,312
DELAWARE	$217,839	$3,350	$143,954	$11,793	$15,844	$0	$174,941	$25,990
DUKE	$265,143	$400	$239,704	$0	$0	$0	$240,104	$26,884
EMORY	$228,738	$0	$148,029	$0	$13,993	$6,140	$168,162	$8,197
FLORIDA	$235,454	$9,806	$197,823	$0	$26,856	$42,121	$276,606	$11,608
FLORIDA STATE	$146,077	$0	$216,259	$0	$3,175	$0	$219,434	$4,480
GEORGETOWN	$216,482	$4,750	$205,127	$86,221	$0	$0	$296,098	$15,280
GEORGIA	$280,263	$0	$297,644	$0	U/A	$0	$297,643	$29,793
GEORGIA TECH	$42,583	$0	$78,598	$0	$950	$0	$79,548	$500
GUELPH	$94,311	$4,083	$89,240	$0	$0	$0	$93,323	$8,769
HARVARD	$2,195,581	$213,172	$993,867	$119,710	$345,758	$270,976	$1,943,483	$169,065
HAWAII	$345,833	$0	$239,984	$0	$7,089	$0	$247,073	$12,078
HOUSTON	$62,159	$0	$95,354	$0	$0	$0	$95,354	$1,711
HOWARD	.	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	$71,625	$0	$137,180	$0	$0	$0	$137,180	$7,474
ILLINOIS, URBANA	$400,145	$12,505	$237,257	$0	$124,485	$1,594	$375,841	$46,406
INDIANA	$542,064	$0	$272,652	$0	$3,164	$863	$276,679	$29,366
IOWA	.	.	.	.	.	.	.	.
IOWA STATE	$101,637	$5,080	$98,682	$8,616	$0	$0	$112,378	$37,167
JOHNS HOPKINS	$232,655	$0	$134,464	$278	$10,000	$30,279	$175,021	$19,666
KANSAS	$201,145	$0	$207,105	$16,039	$30,635	$0	$253,779	$15,962

TABLE II: EXPENDITURES

Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Preserv. as % of Total Library Expend. 13	Materials Expend. (from ARL Statistics) 14	Preserv. as % of Total Materials Expend. 15	INSTITUTION
$0	$186,845	$0	$8,905,081	2%	$3,317,378	6%	ALABAMA
.	.	.	$15,425,722	.	$4,916,215	.	ALBERTA
$0	$312,442	$0	$16,497,643	2%	$6,306,870	5%	ARIZONA
$800	$329,742	$0	$17,025,340	2%	$6,663,669	5%	ARIZONA STATE
$4,799	$310,976	$0	$8,910,670	3%	$3,801,081	8%	AUBURN
$0	$340,683	$0	$11,054,361	3%	$3,841,523	9%	BOSTON
$7,000	$446,682	$0	$12,421,409	4%	$4,527,122	10%	BRIGHAM YOUNG
$335	$482,723	$52,622	$19,523,225	2%	$6,185,305	8%	BRITISH COLUMBIA
$4,418	$698,525	$0	$12,565,530	6%	$3,786,987	18%	BROWN
$37,460	$3,284,542	$781,979	$32,498,086	10%	$9,559,943	34%	CALIFORNIA, BERKELEY
$0	$417,747	$6,422	$13,787,945	3%	$4,688,058	9%	CALIFORNIA, DAVIS
$0	$434,137	$0	$12,534,724	3%	$4,005,699	11%	CALIFORNIA, IRVINE
$2,384	$892,830	$0	$29,676,567	3%	$8,955,879	10%	CALIFORNIA, LOS ANGELES
$0	$237,417	$27,351	$7,304,558	3%	$2,807,846	8%	CALIFORNIA, RIVERSIDE
$1,810	$728,661	$22,229	$15,077,945	5%	$4,745,537	15%	CALIFORNIA, SAN DIEGO
$5,000	$482,392	$0	$11,171,957	4%	$3,345,796	14%	CALIFORNIA, SANTA BARBARA
$2,917	$241,748	$0	$8,852,750	3%	$3,794,502	6%	CASE WESTERN RESERVE
$1,075	$1,176,712	$273,597	$17,875,544	7%	$6,200,721	19%	CHICAGO
$0	$411,534	$0	$12,767,348	3%	$5,043,940	8%	CINCINNATI
$0	$457,368	$0	$13,206,606	3%	$6,402,328	7%	COLORADO
$0	$378,943	$0	$7,831,059	5%	$3,491,081	11%	COLORADO STATE
$13,869	$2,112,290	$861,022	$27,915,579	8%	$8,711,720	24%	COLUMBIA
$7,811	$695,355	$12,388	$14,630,057	5%	$4,616,248	15%	CONNECTICUT
$2,062	$1,418,835	$764,776	$26,480,063	5%	$8,692,678	16%	CORNELL
$0	$337,953	$0	$10,580,296	3%	$3,928,607	9%	DARTMOUTH
$2,688	$421,458	$51,818	$10,040,679	4%	$4,327,411	10%	DELAWARE
$0	$532,131	$1,000	$20,928,982	3%	$7,346,751	7%	DUKE
$0	$405,097	$13,993	$18,690,710	2%	$6,425,281	6%	EMORY
$0	$523,668	$14,567	$15,779,580	3%	$5,671,794	9%	FLORIDA
$0	$369,991	$0	$8,906,140	4%	$4,101,110	9%	FLORIDA STATE
$0	$527,860	$0	$14,930,942	4%	$5,072,415	10%	GEORGETOWN
$21,100	$628,800	$0	$14,455,400	4%	$5,832,888	11%	GEORGIA
$150	$122,781	$0	$6,284,966	2%	$2,846,181	4%	GEORGIA TECH
$2,108	$198,511	$0	$6,666,777	3%	$2,383,172	8%	GUELPH
$47,183	$4,355,312	$646,351	$63,923,050	7%	$14,378,067	30%	HARVARD
$6,119	$611,103	$0	$11,904,522	5%	$4,418,527	14%	HAWAII
$0	$159,224	$0	$9,925,683	2%	$4,143,333	4%	HOUSTON
.	.	.	$8,744,865	.	$3,796,739	.	HOWARD
$0	$216,279	$0	$12,432,682	2%	$4,162,242	5%	ILLINOIS, CHICAGO
$9,202	$831,594	$177,412	$21,534,639	4%	$7,513,611	11%	ILLINOIS, URBANA
$11,836	$859,945	$60,651	$21,633,483	4%	$7,707,210	11%	INDIANA
.	.	.	$15,094,605	.	$5,678,249	.	IOWA
$5,291	$256,473	$0	$11,174,259	2%	$4,343,507	6%	IOWA STATE
$0	$427,342	$47,951	$17,810,895	2%	$6,691,673	6%	JOHNS HOPKINS
$0	$470,886	$2,584	$13,696,701	3%	$5,250,698	9%	KANSAS

TABLE II: EXPENDITURES

INSTITUTION	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
KENT STATE	$64,461	$0	$91,966	$0	$0	U/A	$91,966	$15,000
KENTUCKY	$311,080	$3,505	$126,706	$0	$0	$8,733	$138,944	$32,901
LAVAL	$214,370	$0	$81,654	$0	$38,621	$0	$120,275	$59,167
LOUISIANA STATE	$123,222	$3,254	$204,042	$0	$0	$0	$207,296	$35,336
MCGILL	*	$0	$191,201	$0	$9,184	$164	$200,549	$0
MCMASTER	$126,437	$0	$77,722	$0	$2,840	$0	$80,562	$24,151
MANITOBA	$164,032	$0	$120,468	$0	$11,441	$0	$131,909	$7,641
MARYLAND	$225,173	$10,263	$177,531	$0	$375	$0	$188,169	$24,480
MASSACHUSETTS	$91,904	$0	$144,103	$0	$1,023	$200	$145,326	$5,348
MIT	$320,650	$4,275	$180,903	$320	$0	$0	$185,498	$12,340
MIAMI	$238,066	$0	$146,552	$0	$29,736	$0	$176,288	$18,604
MICHIGAN	$657,514	$11,931	$278,038	$15,895	$27,443	$0	$333,307	$60,431
MICHIGAN STATE	$249,837	$0	$256,349	$0	$23,408	$12,305	$292,062	$17,909
MINNESOTA	$452,224	$4,658	$519,962	$35,170	$0	$0	$559,790	$5,648
MISSOURI	$91,332	$0	$119,005	$0	$0	$0	$119,005	$7,811
NEBRASKA	$279,052	$0	$155,020	$0	$0	$9,814	$164,834	$22,258
NEW MEXICO	$271,275	$0	$168,707	$5,440	$5,994	$0	$180,141	$17,200
NEW YORK	$605,212	$5,168	$434,432	$7,347	$20,191	$3,000	$470,138	$25,114
NORTH CAROLINA	$450,800	$3,432	$211,919	U/A	U/A	U/A	$215,348	$35,961
NORTH CAROLINA STATE	$176,450	$0	$121,546	$0	$0	$0	$121,546	$2,500
NORTHWESTERN	$434,387	$9,131	$198,991	$19,681	$58,469	$22,449	$308,721	$41,358
NOTRE DAME	$209,678	$0	$102,289	$3,310	$169,795	$4,805	$280,199	$25,300
OHIO STATE	$497,502	$6,894	$268,130	$33,449	$9,381	$2,406	$320,260	$14,295
OKLAHOMA	*	$0	$93,533	$850	$0	$0	$94,383	$2,864
OKLAHOMA STATE	$80,832	$0	$81,048	$0	$0	$0	$81,048	$3,156
OREGON	$247,228	$0	$143,638	$0	$0	$0	$143,638	$87,128
PENNSYLVANIA	$378,170	$6,882	$301,746	$0	$1,119	$0	$309,747	$14,291
PENNSYLVANIA STATE	$183,811	$5,726	$476,333	$0	$29,789	$81,525	$593,373	$25,233
PITTSBURGH	$103,474	$12,847	$326,982	$23,295	$2,000	$991	$366,115	$5,000
PRINCETON	$616,744	$14,834	$480,744	$34,926	$230,663	$100	$761,267	$84,650
PURDUE	$108,587	$2,400	$134,366	$0	$2,991	$0	$139,757	$0
QUEEN'S	*	$0	$138,011	$0	$0	$13,988	$151,998	$3,737
RICE	$99,387	$0	$85,373	$0	$0	$0	$85,373	$6,882
ROCHESTER	$215,225	$7,300	$156,771	$11,190	$8,663	$55,947	$239,871	$18,979
RUTGERS	$254,764	$0	$315,896	$0	$0	$0	$315,896	$6,532
SASKATCHEWAN	$106,699	$0	$49,667	$0	$0	$0	$49,667	$0
SOUTH CAROLINA	$142,000	$0	$151,062	$0	$10,000	$0	$161,062	$22,000
SOUTHERN CALIFORNIA	$124,612	$0	$215,352	$0	$23,787	$0	$239,139	$37,226
SOUTHERN ILLINOIS	$140,960	$0	$172,000	$0	$0	$0	$172,000	$12,926
STANFORD	$923,857	$4,331	$487,823	$350	$235,506	$0	$728,010	$34,075
SUNY-ALBANY	$150,838	$271	$89,604	$4,564	$4,263	$2,095	$100,797	$3,173
SUNY-BUFFALO	$455,199	$0	$160,496	$0	$0	$1,034	$161,530	$24,674
SUNY-STONY BROOK	$107,456	$0	$19,996	$3,000	$2,000	$0	$24,996	$7,469
SYRACUSE	$175,301	$0	$85,262	$0	$0	$2,470	$87,732	$13,970
TEMPLE	$203,085	$0	$153,674	$500	$0	$0	$154,174	$3,988

* Salary figures are not reported when fewer than four individuals involved.

TABLE II: EXPENDITURES

Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Preserv. as % of Total Library Expend. 13	Materials Expend. (from ARL Statistics) 14	Preserv. as % of Total Materials Expend. 15	INSTITUTION
$0	$171,427	$0	$8,646,169	2%	$2,640,219	6%	KENT STATE
$3,325	$486,250	$0	$11,150,830	4%	$4,138,895	12%	KENTUCKY
$0	$393,812	$38,621	$11,931,933	3%	$3,901,055	10%	LAVAL
$2,018	$367,872	$0	$8,924,642	4%	$2,978,662	12%	LOUISIANA STATE
$0	$236,903	$1,457	$13,704,719	2%	$4,130,179	6%	MCGILL
$6,071	$237,221	$8,051	$8,884,630	3%	$3,482,962	7%	MCMASTER
$0	$303,582	$0	$9,277,830	3%	$2,751,575	11%	MANITOBA
$19,500	$457,322	$0	$14,473,453	3%	$4,495,534	10%	MARYLAND
$0	$242,578	$49,283	$10,316,926	2%	$3,327,015	7%	MASSACHUSETTS
$27,440	$545,928	$0	$11,660,608	5%	$3,717,766	15%	MIT
$50	$433,008	$0	$13,105,722	3%	$5,007,379	9%	MIAMI
$9,022	$1,060,274	$161,391	$30,252,302	4%	$10,664,110	10%	MICHIGAN
$1,128	$560,936	$34,137	$13,078,052	4%	$4,679,271	12%	MICHIGAN STATE
$3,000	$1,020,662	$103,790	$23,869,764	4%	$8,065,114	13%	MINNESOTA
$0	$218,148	$3,068	$9,704,964	2%	$3,767,771	6%	MISSOURI
$2,426	$468,570	$0	$9,445,174	5%	$3,925,855	12%	NEBRASKA
$0	$468,616	$108,598	$14,453,182	3%	$4,315,339	11%	NEW MEXICO
$13,929	$1,114,393	$241,070	$23,848,785	5%	$6,849,538	16%	NEW YORK
$65,197	$767,309	$68,432	$20,744,310	4%	$7,446,495	10%	NORTH CAROLINA
$200	$300,696	$0	$11,986,206	3%	$4,615,933	7%	NORTH CAROLINA STATE
$2,283	$786,749	$139,548	$16,119,684	5%	$5,520,891	14%	NORTHWESTERN
$6,000	$521,177	$247,756	$9,994,220	5%	$4,284,425	12%	NOTRE DAME
$0	$832,057	$26,046	$18,917,677	4%	$6,626,478	13%	OHIO STATE
$0	$114,446	$0	$8,795,406	1%	$3,769,255	3%	OKLAHOMA
$1,083	$166,119	$1,083	$8,085,159	2%	$2,729,135	6%	OKLAHOMA STATE
$0	$477,994	$0	$10,354,162	5%	$4,512,652	11%	OREGON
$0	$702,208	$63,265	$20,655,506	3%	$6,903,926	10%	PENNSYLVANIA
$196	$802,613	$48,015	$23,031,780	3%	$7,715,741	10%	PENNSYLVANIA STATE
$1,000	$475,589	$0	$17,151,635	3%	$6,745,752	7%	PITTSBURGH
$26,606	$1,489,267	$263,382	$22,859,857	7%	$7,687,612	19%	PRINCETON
$0	$248,344	$9,139	$10,414,675	2%	$3,998,423	6%	PURDUE
$0	$212,680	$0	$9,061,422	2%	$3,380,886	6%	QUEEN'S
$0	$191,642	$0	$9,050,797	2%	$3,942,635	5%	RICE
$24,424	$498,499	$184,782	$10,055,711	5%	$3,992,899	12%	ROCHESTER
$1,006	$578,198	$98,998	$22,673,554	3%	$6,835,251	8%	RUTGERS
$0	$156,366	$0	$7,789,282	2%	$3,285,584	5%	SASKATCHEWAN
$0	$325,062	$77,023	$10,548,997	3%	$3,795,575	9%	SOUTH CAROLINA
$3,122	$404,099	$2,598	$17,780,180	2%	$6,191,999	7%	SOUTHERN CALIFORNIA
$0	$325,886	$0	$9,507,823	3%	$3,689,890	9%	SOUTHERN ILLINOIS
$37,654	$1,723,596	$241,657	$35,630,950	5%	$11,066,524	16%	STANFORD
$4,142	$258,950	$102,040	$8,697,243	3%	$3,186,770	8%	SUNY-ALBANY
$5,417	$646,820	$102,690	$12,641,639	5%	$4,572,276	14%	SUNY-BUFFALO
$2,845	$142,766	$102,690	$10,471,053	1%	$3,895,457	4%	SUNY-STONY BROOK
$11,022	$288,025	$86,014	$9,751,753	3%	$3,287,025	9%	SYRACUSE
$0	$361,247	$7,401	$10,962,486	3%	$3,863,977	9%	TEMPLE

TABLE II: EXPENDITURES

INSTITUTION	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
TENNESSEE	$227,567	$0	$161,082	$0	$9,641	$0	$170,723	$2,027
TEXAS	$905,696	$5,000	$204,849	$136	$148,489	$20,000	$378,474	$58,996
TEXAS A&M	$150,081	$0	$119,976	$0	$0	$0	$119,976	$15,242
TORONTO	$624,729	$14,947	$278,789	$0	$33,370	$0	$327,106	U/A
TULANE	$65,791	$0	$154,529	$0	$0	$0	$154,529	$9,085
UTAH	$182,326	$0	$265,749	$0	$0	$0	$265,749	$20,093
VANDERBILT	$184,127	$3,831	$153,609	$0	$0	$0	$157,440	$1,588
VIRGINIA	$195,463	$0	$279,028	$5,008	$0	$0	$284,036	$0
VPI & SU	$67,669	$0	$178,187	$0	$0	$0	$178,187	$7,500
WASHINGTON	$348,513	$5,056	$238,107	$10,141	$23,270	$3,246	$279,820	$28,420
WASHINGTON STATE	$169,664	$0	$95,366	$0	$668	$0	$96,034	$3,827
WASHINGTON U.-ST. LOUIS	$133,252	$0	$150,093	$200	$970	$0	$151,263	$10,480
WATERLOO	$168,594	$324	$70,549	$0	$0	$0	$70,873	$8,025
WAYNE STATE	$181,516	$0	$125,041	$0	$0	$0	$125,041	$9,345
WESTERN ONTARIO	$174,314	$4,763	$145,611	$0	$0	$0	$150,374	U/A
WISCONSIN	$487,165	$1,500	$249,903	$0	$0	$8,734	$260,137	$51,105
YALE	$1,233,530	$4,488	$351,000	$15,165	$291,914	$100	$662,667	$16,840
YORK	$83,487	$0	$159,404	$0	$0	$0	$159,404	$3,113
BOSTON PUBLIC LIBRARY	$498,862	$69,703	$57,810	$0	$77,081	$0	$204,594	$20,000
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	$108,220	$0	$0	$0	$79,216	$608	$79,824	$1,700
LIBRARY OF CONGRESS	$5,885,735	$147,372	$1,338,059	$0	$0	$159,019	$1,644,450	$392,758
LINDA HALL LIBRARY	U/A	$1,250	$78,500	$0	$0	$3,000	$82,750	$640
NATL. AGRICULTURAL LIB.	*	$0	$93,790	$0	$7,150	$0	$100,940	$600
NATL. LIBRARY OF CANADA	$412,752	$0	$33,679	$0	$100,814	$934,160	$1,068,653	$8,146
NATL. LIBRARY OF MEDICINE	$598,581	$80,330	$160,000	$2,280	$579,600	$308,665	$1,130,875	$27,716
NEW YORK PUBLIC LIBRARY	$1,986,508	$16,555	$476,349	$7,185	$518,546	$7,815	$1,026,450	$70,650
NEW YORK STATE LIBRARY	$312,442	$0	$34,952	$0	$10,263	$0	$45,215	$40,842
SMITHSONIAN INSTITUTION	$316,129	$0	$83,000	$0	$0	$1,694	$84,694	$15,681

Type of Library	Total Salaries & Wages 1	Contract Conserv. 2	Contract Binding 3	Contract Preserv. Photocop. 4	Contract Preserv. Microfilm 5	Other Contract Expend. 6	Total Contract Expend. 7	Supplies 8
University								
Sum	$30,916,089	$604,929	$22,189,865	$655,072	$3,213,617	$708,409	$27,371,888	$2,376,941
Nonuniversity								
Sum	$10,201,261	$315,210	$2,356,139	$9,465	$1,372,670	$1,414,961	$5,468,445	$578,733
TOTAL								
Sum	$41,117,350	$920,139	$24,546,004	$664,537	$4,586,287	$2,123,370	$32,840,333	$2,955,674

* Salary figures not published when fewer than four individuals involved.

TABLE II: EXPENDITURES

Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Preserv. as % of Total Library Expend. 13	Materials Expend. (from ARL Statistics) 14	Preserv. as % of Total Materials Expend. 15	INSTITUTION
$450	$400,767	$0	$10,820,032	4%	$4,085,229	10%	TENNESSEE
$0	$1,343,166	$337,645	$22,387,342	6%	$6,429,359	21%	TEXAS
$800	$286,099	$0	$13,005,235	2%	$4,731,716	6%	TEXAS A&M
U/A	$951,835	$45,725	$29,439,327	3%	$9,117,090	10%	TORONTO
$2,990	$232,395	$0	$8,742,551	3%	$3,858,575	6%	TULANE
$1,948	$470,116	$0	$12,890,250	4%	$4,669,032	10%	UTAH
$0	$343,155	$0	$12,813,764	3%	$4,582,129	7%	VANDERBILT
$1,587	$481,086	$0	$16,977,827	3%	$6,467,287	7%	VIRGINIA
$0	$253,356	$0	$10,603,537	2%	$4,840,115	5%	VPI & SU
$189	$656,942	$500	$22,818,111	3%	$7,058,250	9%	WASHINGTON
$0	$269,525	$0	$9,259,789	3%	$3,146,295	9%	WASHINGTON STATE
$0	$294,995	$6,500	$15,517,047	2%	$5,939,304	5%	WASHINGTON U.-ST. LOUIS
$0	$247,491	$0	$8,832,233	3%	$3,371,985	7%	WATERLOO
$0	$315,902	$0	$12,784,470	2%	$4,940,413	6%	WAYNE STATE
$0	$324,688	$0	$11,203,107	3%	$4,029,646	8%	WESTERN ONTARIO
$51,727	$850,134	$163,707	$25,069,946	3%	$7,246,709	12%	WISCONSIN
$16,700	$1,929,737	$364,888	$33,487,000	6%	$11,460,000	17%	YALE
$0	$246,004	$0	$12,044,922	2%	$3,665,142	7%	YORK
$0	$723,456	$59,486	$29,388,540	2%	$6,512,313	11%	BOSTON PUBLIC LIBRARY
.	.	.	$18,423,287	.	$6,725,955	.	CANADA INST. FOR SCITECH.
$0	$189,744	$50,709	$3,500,066	5%	$911,755	21%	CENTER FOR RESEARCH LIBS.
$124,000	$8,046,943	$288,421	$388381716	2%	$8,086,548	100%	LIBRARY OF CONGRESS
U/A	$83,390	$0	$3,707,228	2%	$1,698,000	5%	LINDA HALL LIBRARY
$0	$183,572	$0	$20,050,603	1%	$1,801,813	10%	NATL. AGRICULTURAL LIB.
$22,420	$1,511,971	$499,963	$33,018,023	5%	$1,859,817	81%	NATL. LIBRARY OF CANADA
$28,445	$1,785,617	$0	$28,301,000	6%	$4,299,000	42%	NATL. LIBRARY OF MEDICINE
$23,657	$3,107,265	$1,618,761	$38,303,414	8%	$9,192,354	34%	NEW YORK PUBLIC LIBRARY
$0	$398,499	$57,758	$9,252,849	4%	$2,535,181	16%	NEW YORK STATE LIBRARY
$8,567	$425,071	$0	$6,358,217	7%	$1,394,527	30%	SMITHSONIAN INSTITUTION

Equipment 9	Total Preserv. Expend. 10	Preserv. Exp. from External Sources 11	Library Expend. (from ARL Statistics) 12	Materials Expend. (from ARL Statistics) 14	Type of Library
					University
$553,914	$61,218,835	$7,359,704	$1,628,238,967	$564,447,573	Sum
					Nonuniversity
$207,089	$16,455,528	$2,575,098	$578,684,943	$45,017,263	Sum
					TOTAL
$761,002	$77,674,363	$9,934,802	$2,206,923,910	$609,464,836	Sum

TABLE III: CONSERVATION TREATMENT

INSTITUTION	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
ALABAMA	0	0	0	109	0	0	0
ALBERTA	.	.	.	.	.	.	.
ARIZONA	0	2,464	0	1,479	25	0	25
ARIZONA STATE	0	16,643	0	1,804	223	0	223
AUBURN	0	7,111	0	2,606	0	847	0
BOSTON	0	233	0	162	0	1,499	0
BRIGHAM YOUNG	0	4,931	0	3,404	0	878	0
BRITISH COLUMBIA	0	13,039	0	3,106	0	29	0
BROWN	0	6,124	0	75	30	128	30
CALIFORNIA, BERKELEY	0	0	0	9,237	0	21	0
CALIFORNIA, DAVIS	0	2,738	0	1,808	0	29	0
CALIFORNIA, IRVINE	0	1,660	0	1,519	0	64	0
CALIFORNIA, LOS ANGELES	0	6,107	18	8,174	155	20	173
CALIFORNIA, RIVERSIDE	10	4,802	0	0	221	0	231
CALIFORNIA, SAN DIEGO	0	8,533	0	552	0	0	0
CALIFORNIA, SANTA BARBARA	0	24,908	0	U/A	0	U/A	0
CASE WESTERN RESERVE	456	2,158	1	979	0	63	457
CHICAGO	0	2,581	170	192	74	18	244
CINCINNATI	0	788	0	1,950	0	168	0
COLORADO	0	2,420	0	738	0	15	0
COLORADO STATE	0	7,005	9	1,260	10	0	19
COLUMBIA	0	2,139	18	1,512	14	2,146	32
CONNECTICUT	0	9,927	0	3,129	0	269	0
CORNELL	0	74,971	0	4,637	0	265	0
DARTMOUTH	0	252	21	42	38	17	59
DELAWARE	0	1,026	0	4,275	13	7	13
DUKE	0	2,538	0	993	0	54	0
EMORY	0	4,295	0	2,326	0	2	0
FLORIDA	430	5,770	500	7,827	430	101	1,360
FLORIDA STATE	521	127	922	240	576	0	2,019
GEORGETOWN	0	1,640	0	2,014	0	31	0
GEORGIA	0	2	0	2	0	8	0
GEORGIA TECH	0	0	0	90	0	0	0
GUELPH	0	5,814	9	0	80	0	89
HARVARD	470	18,235	126	5,062	590	400	1,047
HAWAII	0	5,075	0	4,262	0	205	0
HOUSTON	0	1,243	0	532	0	0	0
HOWARD	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	U/A	2,942	U/A	904	U/A	0	U/A
ILLINOIS, URBANA	0	18,715	0	15,989	10	975	10
INDIANA	0	5,643	0	4,888	0	479	0
IOWA	.	.	.	.	.	.	.
IOWA STATE	0	3,119	0	1,007	28	0	28
JOHNS HOPKINS	0	2,788	0	2,443	0	76	0
KANSAS	0	17,089	0	284	0	8	0

TABLE III: CONSERVATION TREATMENT

Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14	INSTITUTION
122	0	150	0	0	0	0	ALABAMA
.	.	.	.	.	.	.	ALBERTA
3,943	0	0	0	1,000	0	797	ARIZONA
18,447	0	322	0	0	0	1	ARIZONA STATE
10,564	0	0	0	0	0	65	AUBURN
1,894	0	0	0	0	0	681	BOSTON
9,213	0	106	0	0	92	156	BRIGHAM YOUNG
16,174	0	200	0	0	3,705	245	BRITISH COLUMBIA
6,327	0	2,204	0	0	845	773	BROWN
9,258	0	3,260	0	224	718	31,056	CALIFORNIA, BERKELEY
4,575	0	7	0	1	0	181	CALIFORNIA, DAVIS
3,243	0	0	0	0	0	0	CALIFORNIA, IRVINE
14,301	18	489	300	948	131	485	CALIFORNIA, LOS ANGELES
4,802	0	50	0	100	0	0	CALIFORNIA, RIVERSIDE
9,085	0	22	0	502	125	367	CALIFORNIA, SAN DIEGO
24,908	0	0	0	0	0	918	CALIFORNIA, SANTA BARBARA
3,200	0	68	0	1	77	60	CASE WESTERN RESERVE
2,791	0	1,852	1	2	121	78	CHICAGO
2,906	0	0	0	0	0	891	CINCINNATI
3,173	0	0	0	0	2,020	21	COLORADO
8,265	0	877	0	0	3	70	COLORADO STATE
5,797	0	3,409	1	31	128	549	COLUMBIA
13,325	1	380	49	1,015	2,272	95	CONNECTICUT
79,873	0	333	0	0	0	2,105	CORNELL
311	16	49	0	381	2	39	DARTMOUTH
5,308	368	177	0	0	456	2,947	DELAWARE
3,585	0	0	0	384	0	218	DUKE
6,623	0	369	0	0	0	2,903	EMORY
13,698	0	2,190	0	0	500	496	FLORIDA
367	0	0	0	0	129	0	FLORIDA STATE
3,685	0	0	0	0	310	0	GEORGETOWN
12	0	195	0	722	0	41	GEORGIA
0	0	116	0	0	0	0	GEORGIA TECH
5,814	9	1,185	0	3,591	1	0	GUELPH
23,787	62	1,179	22,999	1,982	15,004	13,087	HARVARD
9,542	0	1,292	0	3,213	0	421	HAWAII
1,775	0	0	0	0	48	1,010	HOUSTON
.	.	.	.	.	.	.	HOWARD
3,846	U/A	U/A	U/A	U/A	U/A	U/A	ILLINOIS, CHICAGO
35,679	0	7,966	0	2,764	346	1,488	ILLINOIS, URBANA
11,010	0	269	0	3,353	28	914	INDIANA
.	.	.	.	.	.	.	IOWA
4,126	0	0	0	0	0	62	IOWA STATE
5,307	0	20	0	0	36	1,662	JOHNS HOPKINS
15,934	0	528	0	100	0	153	KANSAS

TABLE III: CONSERVATION TREATMENT

INSTITUTION	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
KENT STATE	0	5,251	0	858	0	0	0
KENTUCKY	0	15,096	0	5,062	0	9	0
LAVAL	0	8,616	0	13,904	0	2	0
LOUISIANA STATE	0	17,819	0	617	0	0	0
MCGILL	0	3,924	0	0	0	0	0
MCMASTER	0	0	0	8,188	0	226	0
MANITOBA	0	2,718	0	545	0	20	0
MARYLAND	0	3,252	308	4,254	0	1,416	308
MASSACHUSETTS	0	1,327	0	5	0	0	0
MIT	0	2,399	0	1,020	0	3	0
MIAMI	0	5,945	0	4,274	0	497	0
MICHIGAN	267	15,551	397	1,218	0	165	644
MICHIGAN STATE	0	21,323	0	932	42	0	42
MINNESOTA	37	1,127	2	555	5	36	44
MISSOURI	0	5,486	0	0	0	0	0
NEBRASKA	0	1,282	0	5,781	0	0	0
NEW MEXICO	0	4,358	0	2,187	0	75	0
NEW YORK	0	9,846	190	3,058	0	923	190
NORTH CAROLINA	U/A	2,128	U/A	8,459	U/A	10	U/A
NORTH CAROLINA STATE	0	947	0	2,026	0	3	0
NORTHWESTERN	0	20,293	0	3,020	26	143	26
NOTRE DAME	0	1,859	0	1,224	0	2,062	0
OHIO STATE	0	11,561	0	1,167	0	181	0
OKLAHOMA	0	817	0	945	0	0	0
OKLAHOMA STATE	0	2,751	0	0	0	0	0
OREGON	0	19,127	0	3,379	0	0	0
PENNSYLVANIA	0	1,850	0	0	10	0	10
PENNSYLVANIA STATE	0	3,276	200	761	5	30	5
PITTSBURGH	0	2,450	0	1,705	85	91	85
PRINCETON	0	3,562	0	2,993	0	329	0
PURDUE	0	466	0	0	40	0	40
QUEEN'S	0	3,108	0	458	0	0	0
RICE	0	13,094	0	1,042	0	12	0
ROCHESTER	0	11,987	0	3,211	111	0	111
RUTGERS	0	1,433	0	499	0	0	0
SASKATCHEWAN	0	0	0	11,865	0	0	0
SOUTH CAROLINA	U/A	U/A	0	U/A	0	U/A	0
SOUTHERN CALIFORNIA	0	12,066	0	697	0	0	0
SOUTHERN ILLINOIS	0	17,599	58	1,372	0	3	58
STANFORD	0	4,586	0	3,947	46	106	46
SUNY-ALBANY	0	26	0	1,278	0	11	0
SUNY-BUFFALO	0	2,484	0	8,177	0	0	0
SUNY-STONY BROOK	0	4,286	0	6,456	0	0	0
SYRACUSE	0	3,116	0	1,762	0	0	0
TEMPLE	0	1,306	0	115	0	0	0

TABLE III: CONSERVATION TREATMENT

Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14	INSTITUTION
6,109	0	U/A	0	U/A	0	611	KENT STATE
20,167	0	2,632	0	134	254	1,118	KENTUCKY
22,522	0	0	0	0	0	0	LAVAL
18,436	21	10,000	0	2,000	0	880	LOUISIANA STATE
3,924	0	0	0	0	0	0	MCGILL
8,414	0	380	0	0	0	1,681	MCMASTER
3,283	0	0	0	0	0	856	MANITOBA
8,922	351	0	99	0	234	79	MARYLAND
1,332	0	15	0	10,529	0	50	MASSACHUSETTS
3,422	0	0	0	0	0	483	MIT
10,716	0	150	75	0	0	310	MIAMI
16,934	0	318	0	233	30	929	MICHIGAN
22,255	0	U/A	0	0	0	0	MICHIGAN STATE
1,398	21,189	300	36	15,050	2,004	518	MINNESOTA
5,486	0	0	0	0	22	1,850	MISSOURI
7,063	0	0	0	0	105	1,129	NEBRASKA
6,621	0	1,701	0	68	0	733	NEW MEXICO
13,827	1,063	1,338	175,000	22	119	833	NEW YORK
10,602	U/A	1,333	264	132	25	1,785	NORTH CAROLINA
2,976	0	0	0	0	50	0	NORTH CAROLINA STATE
23,456	0	746	0	0	92	352	NORTHWESTERN
5,145	0	344	0	0	0	238	NOTRE DAME
12,909	135	620	0	8	4	5,422	OHIO STATE
1,762	0	925	0	178	0	445	OKLAHOMA
2,751	0	298	0	0	0	6	OKLAHOMA STATE
22,506	0	880	0	0	0	54	OREGON
1,850	7	75,000	0	1,000	30	300	PENNSYLVANIA
4,067	268	236	0	270	2,219	75	PENNSYLVANIA STATE
4,246	178	0	0	10	949	172	PITTSBURGH
6,884	0	3,387	0	35	1,486	782	PRINCETON
466	0	0	0	0	0	0	PURDUE
3,566	0	623	0	5	0	1,277	QUEEN'S
14,148	0	240	0	0	0	358	RICE
15,198	0	350	0	37	0	2,080	ROCHESTER
1,932	2	1,535	0	4,927	58	878	RUTGERS
11,865	0	0	0	0	31	270	SASKATCHEWAN
U/A	0	U/A	0	U/A	0	U/A	SOUTH CAROLINA
12,763	0	0	0	0	0	185	SOUTHERN CALIFORNIA
14,175	0	1,201	0	0	2	963	SOUTHERN ILLINOIS
8,639	0	628	0	232	12	6,209	STANFORD
1,315	0	0	0	0	0	13	SUNY-ALBANY
10,661	0	295	0	72	0	209	SUNY-BUFFALO
10,742	0	1,180	0	0	0	6,749	SUNY-STONY BROOK
4,878	0	12	0	97	0	81	SYRACUSE
1,421	0	0	0	45,300	0	0	TEMPLE

TABLE III: CONSERVATION TREATMENT

INSTITUTION	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
TENNESSEE	0	3,247	0	905	0	108	0
TEXAS	0	25,787	0	1,518	0	163	0
TEXAS A&M	0	1,733	0	4,023	0	20	0
TORONTO	0	6,235	0	4,262	0	53	0
TULANE	0	360	0	1,483	0	406	0
UTAH	0	2,583	0	998	0	98	0
VANDERBILT	0	446	0	748	0	5	0
VIRGINIA	237	9,934	44	876	26	0	304
VPI & SU	0	3,900	0	896	0	0	0
WASHINGTON	0	8,678	0	776	0	453	0
WASHINGTON STATE	0	U/A	0	U/A	0	U/A	0
WASHINGTON U.-ST. LOUIS	0	978	0	922	0	0	0
WATERLOO	0	450	0	0	3	0	3
WAYNE STATE	0	3,917	0	195	0	0	0
WESTERN ONTARIO	0	277	0	277	0	1,294	0
WISCONSIN	0	8,325	0	2,793	0	365	0
YALE	260	29,705	0	1,043	0	1,320	260
YORK	0	0	0	0	0	0	0
BOSTON PUBLIC LIBRARY	0	2,097	0	0	0	837	0
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	0	0	0	0	0	0	0
LIBRARY OF CONGRESS	U/A	U/A	U/A	U/A	U/A	U/A	U/A
LINDA HALL LIBRARY	0	1,508	0	319	0	164	1
NATL. AGRICULTURAL LIB.	0	0	0	0	0	0	0
NATL. LIBRARY OF CANADA	0	0	0	0	0	0	0
NATL. LIBRARY OF MEDICINE	15	0	61	0	104	0	180
NEW YORK PUBLIC LIBRARY	0	2	0	154	8	104	8
NEW YORK STATE LIBRARY	0	1,088	0	515	0	1	0
SMITHSONIAN INSTITUTION	0	259	0	90	0	135	0

Type of Library	Volumes: Level 1 Treatment Contract 1	Volumes: Level 1 Treatment In-house 2	Volumes: Level 2 Treatment Contract 3	Volumes: Level 2 Treatment In-house 4	Volumes: Level 3 Treatment Contract 5	Volumes: Level 3 Treatment In-house 6	Total Volumes Treated Contract 7
University							
Sum	2,688	675,648	2,993	242,343	2,916	19,460	8,235
Nonuniversity							
Sum	15	4,954	61	1,078	112	1,241	189
TOTAL							
Sum	2,703	680,602	3,054	243,421	3,028	20,701	8,424

TABLE III: CONSERVATION TREATMENT

Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14	INSTITUTION
4,260	0	79	0	0	98	21	TENNESSEE
27,468	0	6,692	1	2,673	0	8,569	TEXAS
5,776	0	1,000	0	25	0	1,233	TEXAS A&M
10,550	0	1,609	0	4	0	1,840	TORONTO
2,249	0	204	0	1,014	0	1,030	TULANE
3,679	0	2,053	0	219	1,039	805	UTAH
1,199	0	30	0	0	305	235	VANDERBILT
10,810	87	0	0	0	1	496	VIRGINIA
4,796	0	0	0	0	406	0	VPI & SU
9,907	0	112	749	0	0	119	WASHINGTON
U/A	0	U/A	0	U/A	0	U/A	WASHINGTON STATE
1,900	0	282	0	0	5	152	WASHINGTON U.-ST. LOUIS
450	0	0	0	0	0	0	WATERLOO
4,112	0	U/A	0	10	0	33	WAYNE STATE
1,848	0	19	0	8	1	0	WESTERN ONTARIO
11,483	0	8	0	0	432	155	WISCONSIN
32,068	0	2,402	0	350	359	780	YALE
0	0	0	0	0	0	0	YORK
2,934	0	0	0	0	0	100	BOSTON PUBLIC LIBRARY
.	.	.	.	.	.	.	CANADA INST. FOR SCITECH.
0	0	0	0	0	0	0	CENTER FOR RESEARCH LIBS.
34,193	5,000	24,561	U/A	8,234	1,071	2,111	LIBRARY OF CONGRESS
1,991	0	U/A	0	0	23	0	LINDA HALL LIBRARY
0	0	0	0	0	0	0	NATL. AGRICULTURAL LIB.
10,460	0	0	0	0	0	732	NATL. LIBRARY OF CANADA
0	175	0	370	0	19	0	NATL. LIBRARY OF MEDICINE
260	0	6,539	0	1,322	21	8,167	NEW YORK PUBLIC LIBRARY
1,604	0	4,630	0	0	0	1,052	NEW YORK STATE LIBRARY
484	0	0	0	0	243	18	SMITHSONIAN INSTITUTION

Total Volumes Treated In-house 8	Sheets Treated Contract 9	Sheets Treated In-house 10	Non-paper Items Treated Contract 11	Non-paper Items Treated In-house 12	Protect. Enclos. Constr. Contract 13	Protect. Enclos. Constr. In-house 14	Type of Library
							University
930,904	23,775	150,421	199,574	104,956	37,469	121,466	Sum
							Nonuniversity
51,926	5,175	35,730	370	9,556	1,377	12,180	Sum
							TOTAL
982,830	28,950	186,151	199,944	114,512	38,846	133,646	Sum

TABLE IV: PRESERVATION TREATMENT

INSTITUTION	BINDING Volumes Bound Contract 1	BINDING Volumes Bound In-house 2	Bound Vols. & Pamphlets Mass-Deac. Contract 3	Bound Vols. & Pamphlets Mass-Deac. In-House 4	Lin. Feet of Manusc. Mass-Deac. Contract 5	Lin. Feet of Manusc. Mass-Deac. In-House 6	Pres. Phot. Entire Item Contract 7	Pres. Phot. Entire Item In-House 8
ALABAMA	8,102	0	0	0	0	0	0	29
ALBERTA	.	.	.	.	.	.	.	.
ARIZONA	30,155	0	0	0	0	0	0	0
ARIZONA STATE	32,683	0	0	0	0	0	0	0
AUBURN	21,067	0	U/A	U/A	U/A	U/A	0	3
BOSTON	11,976	0	0	0	0	0	0	0
BRIGHAM YOUNG	19,805	0	0	0	0	0	0	13
BRITISH COLUMBIA	33,027	0	0	0	0	0	13	22
BROWN	25,199	0	0	0	0	0	142	0
CALIFORNIA, BERKELEY	82,590	0	0	0	0	0	808	0
CALIFORNIA, DAVIS	15,728	0	0	0	0	0	30	0
CALIFORNIA, IRVINE	21,946	0	0	0	0	0	5	0
CALIFORNIA, LOS ANGELES	40,936	0	0	0	0	0	83	0
CALIFORNIA, RIVERSIDE	20,009	2,381	0	0	0	0	49	0
CALIFORNIA, SAN DIEGO	35,347	0	0	0	0	0	4	0
CALIFORNIA, SANTA BARBARA	20,878	0	0	0	0	0	0	0
CASE WESTERN RESERVE	9,122	0	98	0	0	6	37	28
CHICAGO	83,279	0	2,998	0	U/A	0	183	20
CINCINNATI	14,859	0	0	0	0	0	0	68
COLORADO	27,836	0	0	0	0	0	9	6
COLORADO STATE	16,661	0	0	0	0	0	90	3
COLUMBIA	67,689	0	400	0	0	0	183	0
CONNECTICUT	39,543	0	791	0	0	0	0	47
CORNELL	34,705	2,764	0	38	0	0	318	203
DARTMOUTH	13,757	8,676	0	0	0	0	0	0
DELAWARE	14,994	3	0	0	0	0	123	6,166
DUKE	35,316	14,829	0	0	0	0	0	94
EMORY	24,890	0	0	0	0	0	0	191
FLORIDA	20,162	14	0	0	0	0	0	48
FLORIDA STATE	29,237	0	0	0	0	0	0	0
GEORGETOWN	16,423	0	0	0	0	0	670	0
GEORGIA	48,549	5	0	0	0	0	0	9,544
GEORGIA TECH	11,949	0	0	0	0	0	0	0
GUELPH	15,768	0	0	0	0	0	0	45
HARVARD	90,183	146	6,240	0	0	0	1,441	95
HAWAII	16,077	0	0	0	0	0	0	54
HOUSTON	14,152	1,564	0	0	0	0	0	0
HOWARD	.	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	18,737	120	0	0	0	0	0	0
ILLINOIS, URBANA	58,911	0	0	0	0	0	0	500
INDIANA	51,575	0	0	0	0	0	0	142
IOWA	.	.	.	.	.	.	.	.
IOWA STATE	23,022	0	0	0	0	0	55	0
JOHNS HOPKINS	36,589	37	3,195	0	0	0	5	71
KANSAS	31,144	4,450	0	0	0	0	116	0

TABLE IV: PRESERVATION TREATMENT

INSTITUTION	BINDING Volumes Bound Contract 1	BINDING Volumes Bound In-house 2	Bound Vols. & Pamphlets Mass-Deac. Contract 3	Bound Vols. & Pamphlets Mass-Deac. In-House 4	Lin. Feet of Manusc. Mass-Deac. Contract 5	Lin. Feet of Manusc. Mass-Deac. In-House 6	Pres. Phot. Entire Item Contract 7	Pres. Phot. Entire Item In-House 8
KENT STATE	12,397	U/A	0	U/A	0	U/A	U/A	U/A
KENTUCKY	18,753	0	0	0	0	0	0	450
LAVAL	2,932	14,654	0	0	0	0	0	0
LOUISIANA STATE	13,040	0	0	0	0	0	0	20
MCGILL	22,097	10,081	0	0	0	0	0	0
MCMASTER	16,465	2,134	0	0	0	0	0	7
MANITOBA	14,191	0	0	0	0	0	0	3
MARYLAND	23,448	0	0	0	0	0	0	8
MASSACHUSETTS	17,270	0	0	0	0	0	0	0
MIT	19,127	0	0	0	0	0	7	0
MIAMI	16,769	25	0	0	0	0	0	20
MICHIGAN	40,273	0	0	0	0	0	207	1
MICHIGAN STATE	43,833	0	11	0	0	0	0	5
MINNESOTA	51,039	24	0	0	0	0	609	0
MISSOURI	15,578	0	0	0	0	0	0	0
NEBRASKA	21,763	0	750	0	0	0	0	0
NEW MEXICO	16,238	0	0	0	0	0	0	71
NEW YORK	43,159	0	100	0	0	0	105	0
NORTH CAROLINA	37,104	U/A	U/A	U/A	U/A	U/A	U/A	306
NORTH CAROLINA STATE	18,934	0	0	0	0	0	0	3
NORTHWESTERN	26,366	0	8,960	0	U/A	0	274	0
NOTRE DAME	13,516	0	185	0	0	0	27	27
OHIO STATE	44,703	0	0	0	0	0	476	0
OKLAHOMA	262	0	0	0	0	0	0	9
OKLAHOMA STATE	10,210	0	0	0	0	0	0	0
OREGON	0	19,306	0	0	0	0	0	2,013
PENNSYLVANIA	33,869	0	0	0	0	0	0	421
PENNSYLVANIA STATE	44,079	0	0	0	0	0	0	39
PITTSBURGH	35,037	0	0	0	0	0	166	25
PRINCETON	62,347	0	0	0	0	0	408	2
PURDUE	17,287	0	0	0	0	0	0	0
QUEEN'S	19,229	0	0	0	0	0	0	28
RICE	10,392	0	0	0	0	0	0	0
ROCHESTER	12,883	1,110	0	0	0	0	180	89
RUTGERS	37,711	0	0	0	0	0	0	68
SASKATCHEWAN	7,461	0	0	0	0	0	0	0
SOUTH CAROLINA	19,243	0	0	0	0	0	0	200
SOUTHERN CALIFORNIA	21,696	0	0	0	0	0	0	0
SOUTHERN ILLINOIS	25,090	0	0	0	0	0	0	41
STANFORD	61,589	0	0	0	0	0	1	375
SUNY-ALBANY	11,585	18	0	0	0	0	22	131
SUNY-BUFFALO	29,057	0	0	0	0	0	0	451
SUNY-STONY BROOK	15,710	0	130	0	0	0	24	0
SYRACUSE	11,588	9,397	0	0	0	0	0	0
TEMPLE	16,154	0	0	0	0	0	0	0

TABLE IV: PRESERVATION TREATMENT

INSTITUTION	BINDING Volumes Bound Contract 1	BINDING Volumes Bound In-house 2	Bound Vols. & Pamphlets Mass-Deac. Contract 3	Bound Vols. & Pamphlets Mass-Deac. In-House 4	Lin. Feet of Manusc. Mass-Deac. Contract 5	Lin. Feet of Manusc. Mass-Deac. In-House 6	Pres. Phot. Entire Item Contract 7	Pres. Phot. Entire Item In-House 8
TENNESSEE	29,667	0	0	0	0	0	0	0
TEXAS	29,049	0	37	0	140	0	4	0
TEXAS A&M	15,816	0	0	0	0	0	0	3
TORONTO	28,401	0	0	0	0	0	0	0
TULANE	30,633	0	0	0	0	0	0	0
UTAH	19,476	0	0	0	0	0	0	0
VANDERBILT	21,992	0	0	0	0	0	0	5
VIRGINIA	42,489	0	0	0	0	0	65	299
VPI & SU	26,145	0	0	0	0	0	0	0
WASHINGTON	28,245	0	0	0	0	0	104	U/A
WASHINGTON STATE	12,719	0	0	0	0	0	0	0
WASHINGTON U.-ST. LOUIS	12,785	8,268	0	0	0	0	3	0
WATERLOO	6,160	0	0	0	0	0	0	0
WAYNE STATE	21,189	0	0	0	0	0	0	U/A
WESTERN ONTARIO	22,996	4,691	0	0	0	0	0	0
WISCONSIN	32,933	0	0	0	0	0	0	68
YALE	45,331	0	0	0	0	0	200	3,970
YORK	30,565	52	0	0	0	0	10	0
BOSTON PUBLIC LIBRARY	4,383	3,132	0	0	0	0	0	0
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	0	0	0	0	0	0	0	0
LIBRARY OF CONGRESS	207,632	0	0	0	0	0	0	0
LINDA HALL LIBRARY	5,535	0	0	0	0	0	0	0
NATL. AGRICULTURAL LIB.	3,635	0	0	0	0	0	0	0
NATL. LIBRARY OF CANADA	654	0	147,966	241,360	0	0	0	0
NATL. LIBRARY OF MEDICINE	28,789	0	0	0	0	0	13	0
NEW YORK PUBLIC LIBRARY	66,827	0	0	0	0	0	75	0
NEW YORK STATE LIBRARY	10,278	0	0	0	0	0	400	0
SMITHSONIAN INSTITUTION	11,004	0	0	0	0	0	108	0

Type of Library	BINDING Volumes Bound Contract 1	BINDING Volumes Bound In-house 2	Bound Vols. & Pamphlets Mass-Deac. Contract 3	Bound Vols. & Pamphlets Mass-Deac. In-House 4	Lin. Feet of Manusc. Mass-Deac. Contract 5	Lin. Feet of Manusc. Mass-Deac. In-House 6	Pres. Phot. Entire Item Contract 7	Pres. Phot. Entire Item In-House 8
University								
Sum	2,792,642	104,749	23,895	38	140	6	7,256	26,550
Nonuniversity								
Sum	338,737	3,132	147,966	241,360	0	0	596	0
TOTAL								
Sum	3,131,379	107,881	171,861	241,398	140	6	7,852	26,550

TABLE V: PRESERVATION MICROFILMING

INSTITUTION	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
ALABAMA	0	0	0	0	0	0	0	0
ALBERTA	.	.	.	.	.	.	.	.
ARIZONA	0	0	0	0	0	0	0	0
ARIZONA STATE	0	0	0	0	0	0	0	0
AUBURN	0	64	0	0	0	30	0	0
BOSTON	0	0	0	0	0	0	0	0
BRIGHAM YOUNG	0	0	0	0	0	0	0	0
BRITISH COLUMBIA	209	0	0	0	3	0	0	0
BROWN	1,657	0	0	0	1,657	0	0	0
CALIFORNIA, BERKELEY	3,994	1,269	0	0	2,411	719	0	0
CALIFORNIA, DAVIS	46	0	0	0	1	0	0	0
CALIFORNIA, IRVINE	4	0	0	0	2	0	0	0
CALIFORNIA, LOS ANGELES	0	225	0	0	0	198	0	0
CALIFORNIA, RIVERSIDE	17	0	0	0	17	0	0	0
CALIFORNIA, SAN DIEGO	6	0	0	0	7	0	0	0
CALIFORNIA, SANTA BARBARA	0	0	0	0	0	0	0	0
CASE WESTERN RESERVE	0	0	0	0	0	0	0	0
CHICAGO	3,215	0	0	0	2,011	0	0	0
CINCINNATI	0	0	0	0	0	0	0	0
COLORADO	0	0	0	0	0	0	0	0
COLORADO STATE	5	0	0	0	5	0	0	0
COLUMBIA	6,084	1,304	0	0	4,476	140	0	0
CONNECTICUT	0	0	0	0	0	0	0	0
CORNELL	5,857	0	1	0	4,470	0	1	0
DARTMOUTH	3	0	0	0	2	0	0	0
DELAWARE	0	0	0	0	4	0	0	0
DUKE	0	0	0	0	4	8	0	0
EMORY	1,937	0	0	0	1,546	0	0	0
FLORIDA	5,815	3,336	0	0	1,031	2,106	0	0
FLORIDA STATE	68	0	0	0	20	0	0	0
GEORGETOWN	0	0	0	0	0	0	0	0
GEORGIA	U/A	U/A	0	0	358	251	0	0
GEORGIA TECH	17	0	0	0	1	0	0	0
GUELPH	0	0	0	0	0	0	0	0
HARVARD	11,503	202	2,570	0	9,090	45	2,570	0
HAWAII	28	0	U/A	0	25	0	244	0
HOUSTON	0	0	0	0	0	0	0	0
HOWARD	.	.	.	.	.	.	.	.
ILLINOIS, CHICAGO	0	0	0	0	0	0	0	0
ILLINOIS, URBANA	2,583	0	0	0	2,327	0	0	0
INDIANA	100	0	870	0	1	0	870	0
IOWA	.	.	.	.	.	.	.	.
IOWA STATE	0	0	0	0	0	0	0	0
JOHNS HOPKINS	0	0	0	0	0	0	0	0
KANSAS	883	9	0	0	U/A	4	0	0

TABLE V: PRESERVATION MICROFILMING

Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15	INSTITUTION
0	0	0	0	0	0	0	ALABAMA
.	.	.	.	.	.	.	ALBERTA
0	0	0	0	0	0	0	ARIZONA
0	0	0	0	0	0	0	ARIZONA STATE
0	31,522	0	0	64	30	31,522	AUBURN
0	0	0	0	0	0	0	BOSTON
0	0	0	0	0	0	0	BRIGHAM YOUNG
146,149	0	0	0	209	3	146,149	BRITISH COLUMBIA
107,521	0	0	0	1,657	1,657	107,521	BROWN
639,304	227,653	0	0	5,263	3,130	866,957	CALIFORNIA, BERKELEY
44,977	0	0	0	46	1	44,977	CALIFORNIA, DAVIS
7,832	0	0	0	4	2	7,832	CALIFORNIA, IRVINE
0	23,200	0	0	225	198	23,200	CALIFORNIA, LOS ANGELES
3,441	0	0	0	17	17	3,441	CALIFORNIA, RIVERSIDE
64,960	0	0	0	6	7	64,960	CALIFORNIA, SAN DIEGO
0	0	0	0	0	0	0	CALIFORNIA, SANTA BARBARA
0	0	0	0	0	0	0	CASE WESTERN RESERVE
593,558	0	0	0	3,215	2,011	593,558	CHICAGO
0	0	0	0	0	0	0	CINCINNATI
0	0	0	0	0	0	0	COLORADO
2,432	0	0	0	5	5	2,432	COLORADO STATE
971,549	41,197	0	0	7,388	4,616	1,012,746	COLUMBIA
0	0	0	0	0	0	0	CONNECTICUT
736,290	0	170	0	5,858	4,471	736,460	CORNELL
4,000	0	0	0	3	2	4,000	DARTMOUTH
103,734	0	0	0	U/A	4	103,734	DELAWARE
0	3,902	0	0	U/A	12	3,902	DUKE
160,003	0	0	0	1,937	1,546	160,003	EMORY
125,262	645,427	0	0	9,151	3,137	770,689	FLORIDA
34,099	0	0	0	68	20	34,099	FLORIDA STATE
0	0	0	0	0	0	0	GEORGETOWN
179,000	340,600	0	0	U/A	609	519,600	GEORGIA
U/A	0	0	0	17	1	U/A	GEORGIA TECH
0	0	0	0	0	0	0	GUELPH
1,281,467	11,250	61,895	0	14,275	11,705	1,354,612	HARVARD
76,528	0	96,590	0	28	269	173,118	HAWAII
0	0	0	0	0	0	0	HOUSTON
.	.	.	.	.	.	.	HOWARD
0	0	0	0	0	0	0	ILLINOIS, CHICAGO
370,732	0	0	0	2,583	2,327	370,732	ILLINOIS, URBANA
80,000	0	13,044	0	970	871	93,044	INDIANA
.	.	.	.	.	.	.	IOWA
0	0	0	0	0	0	0	IOWA STATE
0	0	0	0	0	0	0	JOHNS HOPKINS
99,646	2,116	0	0	892	4	101,762	KANSAS

TABLE V: PRESERVATION MICROFILMING

INSTITUTION	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
KENT STATE	U/A	U/A	U/A	U/A	U/A	U/A	U/A	U/A
KENTUCKY	1,020	509	0	0	716	484	0	0
LAVAL	476	0	0	0	292	0	0	0
LOUISIANA STATE	0	0	0	0	0	0	0	0
MCGILL	169	0	0	0	148	0	0	0
MCMASTER	80	0	0	0	58	0	0	0
MANITOBA	500	0	0	0	0	0	0	0
MARYLAND	29	0	0	0	29	0	0	0
MASSACHUSETTS	0	0	0	0	4	0	0	0
MIT	0	453	0	2,105	0	183	0	2,079
MIAMI	956	0	0	0	924	0	0	0
MICHIGAN	653	1,679	0	0	431	1,033	0	0
MICHIGAN STATE	591	0	0	0	546	0	0	0
MINNESOTA	2,088	0	0	0	63	0	0	0
MISSOURI	0	0	0	0	0	0	0	0
NEBRASKA	0	8	0	0	0	4	0	0
NEW MEXICO	58	0	0	0	103	0	0	0
NEW YORK	848	0	0	0	678	0	0	0
NORTH CAROLINA	U/A	277	U/A	U/A	U/A	U/A	U/A	U/A
NORTH CAROLINA STATE	0	0	0	0	0	0	0	0
NORTHWESTERN	1,641	0	U/A	0	U/A	0	U/A	0
NOTRE DAME	3,737	0	0	0	1,509	0	0	0
OHIO STATE	232	0	0	4	187	0	0	2
OKLAHOMA	0	0	0	0	0	0	0	0
OKLAHOMA STATE	0	0	0	0	0	0	0	0
OREGON	0	0	0	0	200	66	300	0
PENNSYLVANIA	15	0	0	0	23	0	0	0
PENNSYLVANIA STATE	1,360	0	0	0	1,228	0	0	0
PITTSBURGH	7	0	0	0	7	0	0	0
PRINCETON	5,671	30	0	0	5,059	24	0	0
PURDUE	111	0	0	0	50	0	0	0
QUEEN'S	0	0	0	0	0	0	0	0
RICE	0	0	0	0	0	0	0	0
ROCHESTER	484	0	0	0	65	0	0	0
RUTGERS	U/A	U/A	U/A	U/A	U/A	U/A	U/A	U/A
SASKATCHEWAN	0	0	0	0	0	0	0	0
SOUTH CAROLINA	U/A	U/A	0	0	U/A	97	0	0
SOUTHERN CALIFORNIA	6,133	0	0	0	596	0	0	0
SOUTHERN ILLINOIS	0	0	0	0	0	0	0	0
STANFORD	3,180	0	0	0	16,601	0	0	0
SUNY-ALBANY	85	0	0	0	49	0	0	0
SUNY-BUFFALO	0	0	0	0	0	0	0	0
SUNY-STONY BROOK	30	0	0	0	30	0	0	0
SYRACUSE	0	0	0	0	0	0	0	0
TEMPLE	0	0	0	0	0	0	0	0

TABLE V: PRESERVATION MICROFILMING

Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15	INSTITUTION
U/A	U/A	U/A	U/A	0	0	0	KENT STATE
123,131	180,674	0	0	1,529	1,200	303,805	KENTUCKY
139,630	0	0	0	476	292	139,630	LAVAL
0	156,870	0	0	U/A	U/A	156,870	LOUISIANA STATE
35,735	0	0	0	169	148	35,735	MCGILL
22,744	0	0	0	80	58	22,744	MCMASTER
30,000	0	0	0	500	U/A	30,000	MANITOBA
2,500	0	0	0	29	29	2,500	MARYLAND
11,174	0	0	0	U/A	4	11,174	MASSACHUSETTS
0	143,840	0	580,712	2,558	2,262	724,552	MIT
104,104	0	0	0	956	924	104,104	MIAMI
87,578	310,505	0	0	2,332	1,464	398,083	MICHIGAN
95,047	0	0	0	591	546	95,047	MICHIGAN STATE
248,448	0	0	0	2,088	63	248,448	MINNESOTA
0	0	0	0	0	0	0	MISSOURI
0	U/A	0	0	8	4	U/A	NEBRASKA
65,539	0	0	0	58	103	65,539	NEW MEXICO
162,867	0	0	0	848	678	162,867	NEW YORK
U/A	47,910	U/A	U/A	277	U/A	47,910	NORTH CAROLINA
0	0	0	0	0	0	0	NORTH CAROLINA STATE
U/A	0	U/A	0	1,641	U/A	U/A	NORTHWESTERN
972,526	0	0	0	3,737	1,509	972,526	NOTRE DAME
37,578	0	0	4,142	236	189	41,720	OHIO STATE
0	0	0	0	0	0	0	OKLAHOMA
0	0	0	0	0	0	0	OKLAHOMA STATE
0	690,200	0	0	U/A	566	690,200	OREGON
4,100	0	0	0	15	23	4,100	PENNSYLVANIA
0	0	0	0	1,360	1,228	U/A	PENNSYLVANIA STATE
6,219	0	0	0	7	7	6,219	PITTSBURGH
888,003	32,179	0	0	5,701	5,083	920,182	PRINCETON
18,705	0	0	0	111	50	18,705	PURDUE
0	0	0	0	0	0	0	QUEEN'S
0	0	0	0	0	0	0	RICE
86,409	0	0	0	484	65	86,409	ROCHESTER
U/A	U/A	U/A	U/A	0	0	0	RUTGERS
0	0	0	0	0	0	0	SASKATCHEWAN
U/A	291,714	0	0	U/A	97	291,714	SOUTH CAROLINA
124,028	0	0	0	6,133	596	124,028	SOUTHERN CALIFORNIA
0	0	0	0	0	0	0	SOUTHERN ILLINOIS
1,046,630	0	0	0	3,180	16,601	1,046,630	STANFORD
56,350	0	0	0	85	49	56,350	SUNY-ALBANY
0	0	0	0	0	0	0	SUNY-BUFFALO
6,824	0	0	0	30	30	6,824	SUNY-STONY BROOK
0	0	0	0	0	0	0	SYRACUSE
0	0	0	0	0	0	0	TEMPLE

TABLE V: PRESERVATION MICROFILMING

INSTITUTION	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
TENNESSEE	1,075	0	0	0	541	0	0	0
TEXAS	2,439	0	0	0	1,995	0	0	0
TEXAS A&M	0	0	0	0	0	0	0	0
TORONTO	287	456	10	0	270	443	1	0
TULANE	1,577	0	0	0	1,491	0	0	0
UTAH	98	0	0	0	59	0	0	0
VANDERBILT	0	0	0	0	0	0	0	0
VIRGINIA	0	0	0	0	0	0	0	0
VPI & SU	0	0	0	0	0	0	0	0
WASHINGTON	U/A	0	U/A	0	38	0	U/A	0
WASHINGTON STATE	0	0	0	0	2	0	0	0
WASHINGTON U.-ST. LOUIS	35	0	0	0	0	0	0	0
WATERLOO	0	0	0	0	0	0	0	0
WAYNE STATE	0	0	0	0	0	0	0	0
WESTERN ONTARIO	0	0	0	0	0	0	0	0
WISCONSIN	0	2,617	0	0	0	2,207	0	0
YALE	9,820	0	0	0	7,521	30	0	0
YORK	U/A	U/A	0	0	32	U/A	0	0
BOSTON PUBLIC LIBRARY	0	0	0	0	154	0	0	0
CANADA INST. FOR SCITECH.	.	.	.	.	.	.	.	.
CENTER FOR RESEARCH LIBS.	5,736	0	0	0	4,935	0	0	0
LIBRARY OF CONGRESS	0	U/A	0	0	0	U/A	0	0
LINDA HALL LIBRARY	0	0	0	0	0	0	0	0
NATL. AGRICULTURAL LIB.	143	0	0	0	51	0	0	0
NATL. LIBRARY OF CANADA	0	0	0	0	0	0	10,000	0
NATL. LIBRARY OF MEDICINE	5,154	0	0	0	U/A	0	0	0
NEW YORK PUBLIC LIBRARY	2,458	5,609	0	0	1,619	1,795	0	0
NEW YORK STATE LIBRARY	0	U/A	U/A	U/A	0	84	1,837	417
SMITHSONIAN INSTITUTION	652	0	384	0	321	0	367	0

Type of Library	Total Volumes Contract Film 1	Total Volumes In-House Film 2	Total Volumes Contract Fiche 3	Total Volumes In-House Fiche 4	Total Titles Contract Film 5	Total Titles In-House Film 6	Total Titles Contract Fiche 7	Total Titles In-House Fiche 8
University								
Sum	89,516	12,438	3,451	2,109	71,014	8,072	3,986	2,081
Nonuniversity								
Sum	14,143	5,609	384	0	7,080	1,879	12,204	417
TOTAL								
Sum	103,659	18,047	3,835	2,109	78,094	9,951	16,190	2,498

TABLE V: PRESERVATION MICROFILMING

Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15	INSTITUTION
329,552	0	0	0	1,075	541	329,552	TENNESSEE
515,021	15,200	0	0	2,439	1,995	530,221	TEXAS
0	0	0	0	0	0	0	TEXAS A&M
54,040	82,110	20,482	0	753	714	156,632	TORONTO
123,513	0	0	0	1,577	1,491	123,513	TULANE
30,939	0	0	0	98	59	30,939	UTAH
0	0	0	0	0	0	0	VANDERBILT
0	0	0	0	0	0	0	VIRGINIA
0	0	0	0	0	0	0	VPI & SU
72,782	0	U/A	0	U/A	38	72,782	WASHINGTON
0	0	0	0	U/A	2	U/A	WASHINGTON STATE
0	0	0	0	35	U/A	U/A	WASHINGTON U.-ST. LOUIS
0	0	0	0	0	0	0	WATERLOO
0	0	0	0	0	0	0	WAYNE STATE
1,600	0	0	0	U/A	U/A	1,600	WESTERN ONTARIO
0	675,000	0	0	2,617	2,207	675,000	WISCONSIN
1,384,630	3,543	0	0	9,820	7,551	1,388,173	YALE
34,260	2,317	0	0	U/A	32	36,577	YORK
355,808	0	0	0	U/A	154	355,808	BOSTON PUBLIC LIBRARY
.	.	.	.	.	.	.	CANADA INST. FOR SCITECH.
298,546	0	0	0	5,736	4,935	298,546	CENTER FOR RESEARCH LIBS.
0	4,431,486	0	0	U/A	U/A	4,431,486	LIBRARY OF CONGRESS
0	0	0	0	0	0	0	LINDA HALL LIBRARY
48,055	0	0	0	143	51	48,055	NATL. AGRICULTURAL LIB.
96,506	0	3,000,000	0	U/A	10,000	3,096,506	NATL. LIBRARY OF CANADA
1,425,134	0	0	0	5,154	U/A	1,425,134	NATL. LIBRARY OF MEDICINE
744,295	1,299,072	0	0	8,067	3,414	2,043,367	NEW YORK PUBLIC LIBRARY
0	300,492	171,000	67,900	U/A	2,338	539,392	NEW YORK STATE LIBRARY
124,329	0	46,872	0	1,036	688	171,201	SMITHSONIAN INSTITUTION

Total Exposures Contract Film 9	Total Exposures In-House Film 10	Total Exposures Contract Fiche 11	Total Exposures In-House Fiche 12	Preserv. Microfilm. Total Volumes 13	Preserv. Microfilm. Total Titles 14	Preserv. Microfilm. Total Exposures 15	Type of Library
							University
12,754,690	3,958,929	192,181	584,854	107,514	85,153	17,490,654	Sum
							Nonuniversity
3,092,673	6,031,050	3,217,872	67,900	20,136	21,580	12,409,495	Sum
							TOTAL
15,847,363	9,989,979	3,410,053	652,754	127,650	106,733	29,900,149	Sum

Part II: Analysis of Core Data for All Reporting Libraries

1. Organizational Structure

a. Preservation Administration

The most significant means for measuring the progress of ARL libraries in increasing their preservation efforts is to track the establishment of preservation programs managed by a preservation administrator. The data offer persuasive evidence that preservation programs have become a standard unit in research libraries. As displayed in the data tables, 92 institutions indicated that the library has appointed a preservation administrator, and of those, 61 libraries reported that the preservation program is managed by a full-time preservation administrator. Responses are summarized below.

Table 1. Administration of Preservation Programs

Full-time preservation administrator	61 (53.0%)
Part-time preservation administrator who devotes 50% or more time to preservation activities, but not 100%	9 (7.9%)
Part-time preservation administrator who devotes less than 50% of time to preservation activities	22 (19.1%)
No preservation administrator	23 (20.0%)

b. Reporting Relationships

While most ARL libraries have separate preservation units, their placement is far from uniform. The 91[2] responses to the question on reporting relationships show that about a third of the preservation administrators report to the library director or associate library director. The next frequently found organizational pattern is a reporting relationship to the assistant/associate director for collection development. The third most-cited reporting relationship is to the assistant/associate director for technical services. The remaining libraries chose a variety of organizational options placing the preservation administrator within special collections, public services, or administrative services.

[2] Although 92 libraries reported a full-time preservation administrator, the University of Tennessee administers its preservation operations through a six-member preservation matrix organization, and is therefore not included in Table 2.

Although the placement of preservation departments within the library structure varies, with few exceptions, the preservation administrator reports to senior library management.

Table 2. Position to Which Preservation Administrator Reports

Director of Libraries/Associate Director	29 (31.8%)
Assistant/Associate Director for Collection Management	24 (26.4%)
Assistant/Associate Director for Technical Services	18 (19.8%)
Assistant/Associate Director for Public Services	6 (6.6%)
Other	14 (15.4%)

2. Personnel

The size of the staff reporting to the preservation administrator is a key factor in defining a library's level of preservation program development. The table below displays the correlation between number of professional staff FTE and the number of nonprofessional staff FTE and student assistant FTE in preservation units. The median figures for staff size are used as indicators of the midpoint in the distribution at which values cluster. The preservation administrator is included in the number of professional staff. (Total of 91 programs reported).

Table 3. Staffing Patterns of Preservation Programs

Number of Professionals	Median of Support Staff	Median of Student Assistants	Median of Total FTE
4 or more (17.6%)	20.40	4.24	32.25
2 - 3.9 (23.1%)	6.00	2.03	11.25
1 - 1.9 (29.7%)	3.20	1.00	5.40
less than 1 (29.7%)	0.35	0.00	0.65

Reporting accurate statistics regarding the number of FTE staff engaged in preservation activities library-wide remains problematic. The variety and complexity of organizational structures make collecting the data a time-consuming and difficult burden for libraries. Even in libraries with large-scale preservation departments the data show that preservation cannot be completely assigned to that single organizational unit. Instead it is evident that there are preservation aspects in the work of almost every library unit and that preservation is a library-wide responsibility. The more decentralized preservation activities are and the more scattered staffs involved in preservation activities are, the more difficult it becomes to provide accurate data. Caution should be used in interpreting the data below, because of these problems. (Total of 113 libraries reporting data).

Table 4. Staffing Patterns of Preservation Activities Library-Wide

Number of Professionals	Median of Support Staff	Median of Student Assistants	Median of Total FTE
4 or more (20.4%)	13.60	5.90	28.95
2 - 3.9 (21.2%)	7.00	4.31	14.35
1 - 1.9 (30.1%)	5.63	1.80	9.90
less than 1 (28.3%)	3.81	1.55	5.65

3. Expenditures

The financial support for preservation activities in ARL university libraries shows a substantial range from slightly more than $170,000 to over $4 million during fiscal year 1993-94. As a corollary, ARL university libraries spent from slightly less than 1% to as much as 10% of total operating budgets for preservation.

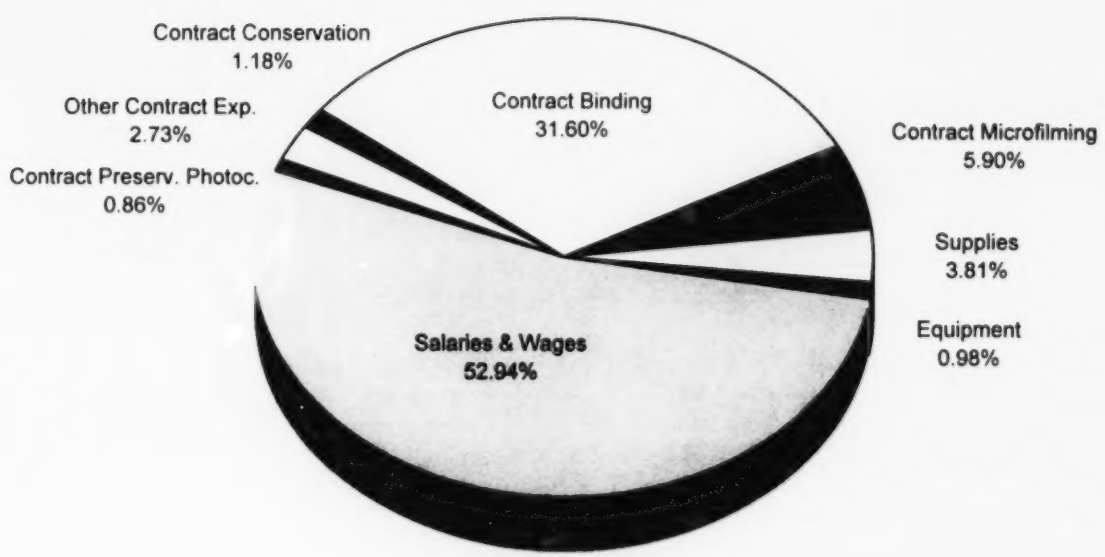
Table 5 summarizes preservation expenditures by displaying the midpoint for three ranges for all reporting ARL libraries. It also indicates corresponding median preservation expenditures as a percentage of total operating expenditures and as a percentage of materials expenditures.

The pie chart on page 40 highlights the allocation of preservation expenditures. Local needs and capabilities will determine the exact allocation of budgetary resources to various activities, but it is useful to look at the aggregate apportionment for ARL member libraries. As in past years, the largest category is salaries and wages, followed by binding expenditures. The chart displays the allocation of preservation expenditures based on data from all reporting ARL libraries.

Table 5. Preservation Expenditures

	Median of First Quartile	Median of All Responses	Median of Third Quartile
Total Preservation Expenditures	$1,060,274	$427,342	$340,683
Preservation Expenditures as Percent of Total Library Expenditures	5.13%	3.27%	2.90%
Preservation Expenditures as Percent of Materials Expenditures	16.32%	9.35%	8.33%

Preservation Expenditures, 1993-94



4. Conservation Treatment

Conservation treatments encompass an array of activities as defined in the instructions that accompanied the survey. Beginning in 1989-90, the amount of *time* required to complete conservation treatments has been used (i.e., "treatments that require 15 minutes or less to perform, more than 15 minutes but less than 2 hours, and more than 2 hours"). While the resulting data tell only how long the treatments take rather than how technically complex they are, results are more reliable and do not invite facile assumption about the nature of an institution's conservation program. The table below provides information on the number of volumes that received minor (Level 1) treatment and the number of volumes that were given more time-consuming intermediate (Level 2) and major (Level 3) conservation treatment. It is recognized that significant differences exist in the nature of treatments performed.

Table 6. Conservation Treatment

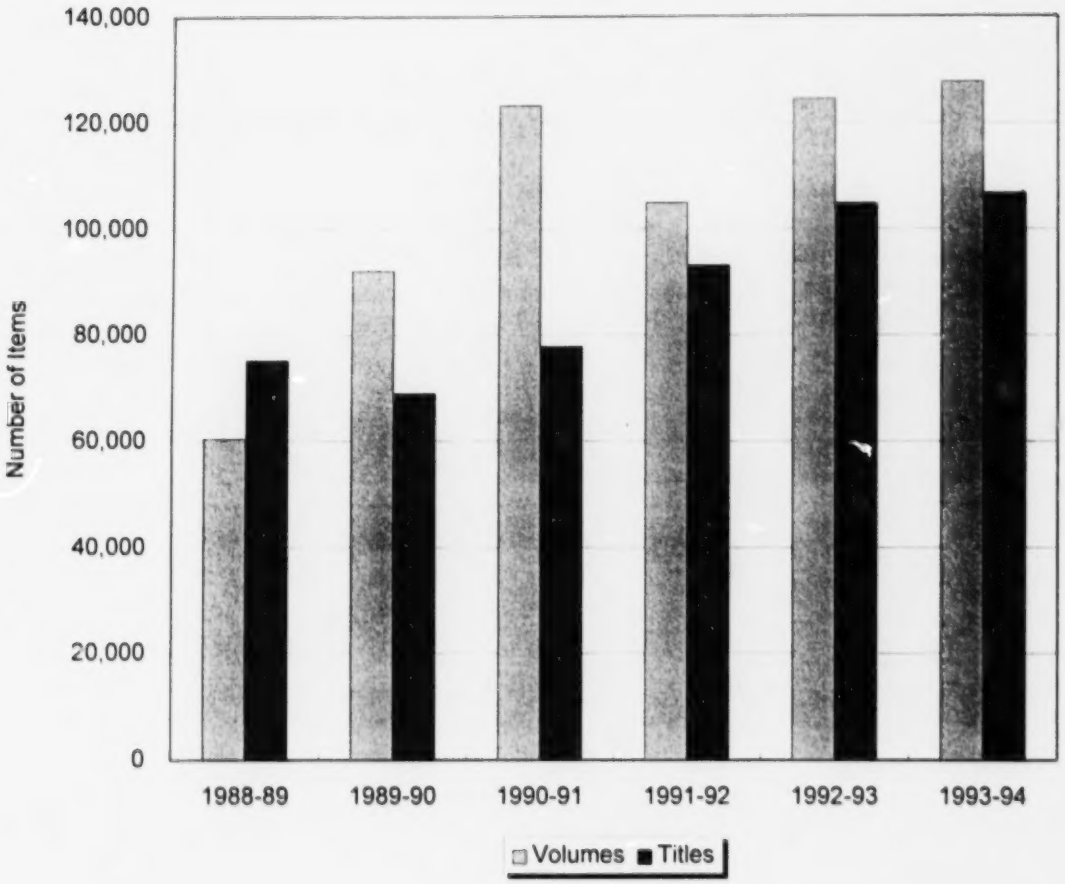
	Median of First Quartile	Median of All Responses	Median of Third Quartile
Number of Volumes: Level 1 Treatment	15,096	2,788	2,097
Number of Volumes: Levels 2 & 3 Treatment	5,071	1,229	896

5. Preservation Microfilming

One notable expansion in preservation activities is preservation microfilming. The *ARL Preservation Statistics* actually underreport total production among ARL members, because the reporting of preservation microfilming production remains problematic. The best indicator of preservation microfilming output is the total number of exposures or number of frames filmed. Another convenient measure is number of physical volumes filmed supplemented by the bibliographic count of the number titles filmed. Several libraries do not provide complete counts of exposures and other libraries do not report data for either the number of titles or volumes filmed. The data tables display figures as reported by member libraries for these three categories.

As noted earlier, the National Preservation Microfilming Program, initiated by the National Endowment for the Humanities in 1988, has had a substantial impact on preservation microfilming among the members of ARL. The chart below highlights the increase in number of volumes filmed over the past six years.

Production of Preservation Microfilm Masters



Number of Libraries Reporting

1988-89	107
1989-90	115
1990-91	117
1991-92	119
1992-93	114
1993-94	115

Part III: Analysis of Core Data by Size of Collection

This section analyzes the organizational, fiscal, and functional components of preservation programs in relation to collection size. While many other factors, including the age, nature and scope of the collection, the environmental conditions under which the collections have been housed, and the level of use shape the ways in which a library's preservation program develops, size of collection is the most significant factor in measuring the level of preservation effort.

In 1991, ARL published preservation program benchmarks for selected core activities in the *Preservation Program Models* report.[3] The benchmarks were intended to serve as indicators of the level of effort that can be expected as a library's preservation program develops. The benchmarks reflect targets and are a useful tool for measuring progress toward meeting preservation needs. The tables in this section parallel the four size groupings of ARL libraries used in the *Preservation Program Models* report.[4] These are collections of more than 5 million volumes, 3 to 5 million volumes, 2 to 3 million volumes, and less than 2 million volumes. For each size grouping, the tables provide medians for personnel, budget, and production. In this report, median figures are used as indicators of the midpoint in the distribution at which values cluster. The medians offer a composite measure for assessing the scale of local effort based on four different size groupings. The benchmarks reflected an ideal progression of preservation program development. They provide a useful tool for comparing the level of preservation services needed with the current level of activities. Libraries interested in that comparison may wish to consult the *Preservation Program Models* report.

The size groupings and number of libraries in each category are:

Group 1:*	over 5 million volumes (20 libraries)
Group 2:+	3 to 5 million volumes (21 libraries)
Group 3:†	2 to 3 million volumes (49 libraries)
Group 4:‡	under 2 million volumes (25 libraries)

The tables on pages 44 and 45 summarize the responsess in five categories for each of the four size grouping.

*	1 library in this group reported no Preservation Unit
+	5 libraries in this group reported no Preservation Unit
†	12 libraries in this group reported no Preservation Unit
‡	5 libraries in this group reported no Preservation Unit

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3 Jan Merrill-Oldham, Carolyn Clark Morrow, and Mark Roosa, *Preservation Program Models: A Study Project and Report* (Washington, D.C.: Association of Research Libraries, 1991).

4 The libraries in each group are determined by data submitted to the 1993-94 *ARL Statistics* (Washington, D.C.: Association of Research Libraries, 1995).

Table 7. Staffing Patterns of Preservation Programs

	Median of Professionals	Median of Support Staff	Median of Students FTE	Median of Total FTE
Group 1	4.71	14.09	2.90	25.57
Group 2	1.00	2.75	1.10	4.38
Group 3	0.50	2.00	0.50	5.60
Group 4	0.25	0.95	0.00	2.60

Table 8. Staffing Patterns of Preservation Activities Library-wide

	Median of Professionals	Median of Support Staff	Median of Students FTE	Median of Total FTE
Group 1	7.80	18.88	5.95	30.99
Group 2	1.59	7.73	4.68	13.61
Group 3	1.24	6.19	2.20	11.35
Group 4	0.65	4.00	1.00	6.50

Table 9. Preservation Expenditures

	Median of Total Preservation Expenditures	Median of Pres. Exp. as % of Total Library Exp.	Median of Pres. Exp. as % of Materials Expend.
Group 1	$1,259,939	4.56%	15.95%
Group 2	$523,668	3.32%	8.97%
Group 3	$369,991	3.30%	9.02%
Group 4	$247,491	2.80%	7.34%

Table 10. Conservation Treatment

	Median of Level 1 Treatment	Median of Level 2 Treatment	Median of Level 3 Treatment
Group 1	6,107	2,793	265
Group 2	3,276	993	29
Group 3	2,923	998	5
Group 4	1,508	896	11

Table 11. Contract Binding

	Median of Contract Binding Expenditures	Median of Number of Volumes Bound
Group 1	$385,104	51,319
Group 2	$239,704	35,594
Group 3	$153,674	19,476
Group 4	$95,366	12,719

ARL PRESERVATION STATISTICS QUESTIONNAIRE
1993-94

GENERAL INSTRUCTIONS

1. Please enter your data on the ARL Preservation Statistics diskette. The printed copy of the questionnaire is a worksheet provided for your convenience. Be sure to read the "ARL Preservation Statistics Documentation" as well as these Instructions before beginning to input data.

   Return one copy of the diskette to the ARL Office by **November 30, 1994** as well as a copy of the **worksheet** and retain a copy of the diskette and the worksheet for your records. If you have problems with your diskette or have questions about the procedure to be followed in completing the survey, contact the ARL Office.

2. **Please read all instructions carefully before you answer the questionnaire.** Make your responses as complete and accurate as possible. Give estimates where you must, but please do not make wild guesses. Use the "FOOTNOTES" section to expand upon or clarify your responses.

3. All questions assume **a fiscal year ending June 30, 1994. If your library's fiscal year is different, please use the "FOOTNOTES" section to explain.**

4. **Do not leave entries blank.** If your library does not perform a given function or had no activity on this function, enter 0. If your library performs a function but data are not available, enter -1 for U/A (Unavailable).

5. Use the same basis for reporting as is used in responding to the main *ARL Statistics* questionnaire. For example, if in *ARL Statistics* you normally include data for a law library and/or a medical library, also include those libraries in response to this survey.

6. In a university that includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a **branch campus** as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please explain in a footnote in the "FOOTNOTES" section.

7. A **branch library** is defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

8. Preservation data are not easy to define or to record in precise categories, and preservation terminology is not yet fixed. If you have difficulty interpreting the questionnaire or are uncertain how its data categories apply in your situation, contact Jutta Reed-Scott, ARL Senior Program Officer, (202) 296-2296; e-mail: jutta@cni.org.

SPECIFIC INSTRUCTIONS

9. For the purposes of this survey, the elements of a "preservation program" include: **conservation treatment, commercial binding, mass treatment** and **reproduction** (i.e., preservation photocopying and preservation microfilming). While shelf preparation activities (e.g., plating, labeling, insertion of security devices) and stack maintenance have obvious preservation implications and may comprise units that are supervised by the preservation administrator, they fall outside the scope of this survey.

   The terms **commercial binding, conservation treatment, preservation photocopying, mass deacidification,** and **preservation microfilming** are defined in the instructions below.

10. **Question 1.** Does the library have a preservation administrator, whether part-time or full-time, who manages a partial or comprehensive preservation program? If it does not, respond no and skip questions 2, 3, and 4.

11. **Question 2**. What percentage of the preservation administrator's total job assignment is dedicated to preservation activities and preservation management? If the library has a full-time preservation administrator, general management activities (e.g., meeting attendance, committee work) should be considered an integral part of the administrator's responsibilities, and the answer to this question recorded as 100%. In contrast, where the preservation administrator has a dual assignment (e.g., where he or she also has significant responsibilities as a serials librarian, bibliographer, or curator), the percentage of time devoted to preservation activities and preservation management should be calculated. If the library has no preservation administrator, leave blank.

12. **Question 3**. Record the job title (e.g., "Associate Director for Collection Development"), not the name of the person to whom the preservation administrator reports. If the library has no preservation administrator, leave blank.

13. **Questions 4-5.** FTE (i.e., "Full-Time Equivalent") is the numerical representation of full- and part-time work activities. A person working full-time is represented by an FTE of 1.00; a person working half-time by an FTE of 0.50. Three persons working half-time are represented by a combined FTE of 1.50. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. **Round figures to the nearest two decimal places.**

    Record FTE staff in filled positions or positions that are only temporarily vacant on the date that ends the library's fiscal year. Include staff hired for special projects, internships, and grants, but provide an explanatory note in the "FOOTNOTES" section indicating the FTE of such staff. The "FOOTNOTES" section should also be used to record such information as the number of hours worked by volunteers, or the number of months that a full-time position was vacant during the year.

    For the purposes of this survey, report trained professional conservators and photographers (senior practitioners rather than technicians) in the "professional" category, whether or not they have a master's degree in library science.

14. **Question 4.** Only the preservation administrator and staff who report directly to him or her, or to someone supervised by him or her, should be recorded here. If the library has no preservation administrator, or if the administrator does not have direct line responsibility for staff, leave blank.

15. **Question 5**. When calculating the FTE staff involved in preservation activities library-wide, the following activities should be included regardless of the department or library to which staff report: conservation, commercial binding preparation, preservation microfilming and photocopying, mass treatment, preservation related bibliographic searching and decision-making, and quality control.

    This figure should include staff who report to the preservation administrator, as recorded in question #4. The total FTE should reflect preservation staff based on their responsibilities, not on their place in the library's organizational structure. For example, a student assistant who works 0.20 FTE, devoting half-time to pamphlet binding and the rest to non-preservation-activities would be included in the "Student Assistants" section of this questionnaire as 0.10 FTE. A staff member who devotes half-time to preparing volumes for commercial binding and half time to serials check-in would be included as 0.50 FTE.

16. **Question 6-11.** Sources of funds are irrelevant in responding to questions #6-11. Report all expenditures of funds that come to the library from the regular institutional budget and from other sources, such as research grants and fees for services.

17. **Questions 6-11.** Canadian libraries should report expenditures only in Canadian dollars. These amounts will be translated into U.S. dollars using a conversion exchange rate of 1.3381 Canadian dollars to 1 U.S. dollar, which was determined using the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1993 through June 1994.

18. **Questions 6a-6d.** These questions refer to salaries paid to staff engaged in preservation activities library wide; therefore record salaries for staff reported in response to question #5. Do not include fringe benefits.

19. **Question 6d.** This answer is the sum of the answers to questions #6a through #6c.

20. **Question 7. Contract expenditures** refers to expenditures for preservation services for which the library is invoiced by an outside vendor, organization, or individual (e.g., a professional conservator, commercial library binder, or commercial microfilming service).

21. **Question 7a.**

    Conservation treatment: Refers to the remedial and protective treatment (both mechanical and chemical) of papers, hard-bound and soft-bound volumes, photographic materials, films, magnetic tapes, disks, and other library materials to restore them to usable condition and/or to extend their useful lives. Also refers to the construction of protective enclosures (e.g., wrappers, jackets, boxes) for library materials. The term "conservation" implies item-by-item examination of materials for the purpose of making appropriate treatment decisions, and use of archivally sound methods and materials. For examples of types of conservation treatments see instructions for questions #12-18.

Record fees paid to regional conservation centers and to private conservators. Also record fees paid to commercial binders for conservation services such as box making, deacidification, and encapsulation. If fees paid to commercial binders for phase boxes and other items and treatments have been recorded on the main 1993-94 *ARL Statistics* in question #6, please note that here to preclude double reporting.

22. **Question 7b.**

> **Commercial binding:** Refers to the binding and rebinding performed by commercial library binderies, as described in the *Library Binding Institute Standard for Library Binding,* 8th edition (Rochester: Library Binding Institute, 1986). Commercial library binderies are characterized by the presence of overseeing machines; Smythe-type sewing machines; double-fan adhesive binding equipment; and automated rounders and backers, hydraulic presses, and spine stamping equipment.

This figure should be the same dollar amount reported on the main 1993-94 *ARL Statistics* survey in question #6. Any variation from this figure should be explained in the "FOOTNOTES" section.

Those libraries that pay fees to a university-operated "commercial" type bindery, should record expenditures in the blank provided and make a note in the "FOOTNOTES" section.

23. **Question 7e.** Other contract expenditures might include fees paid for commercial freeze-drying, fumigating, or mass-deacidification of library materials, mass paper strengthening treatment, membership fees for use of regional conservation facilities, and equipment repairs. Use the "FOOTNOTES" section of the diskette to note the amount and nature of major expenditures.

24. **Question 7f.** This answer is the sum of the answers to questions #7a through #7e.

25. **Question 8.** Supplies include materials used for conservation treatment (e.g., papers, book cloths, adhesives, pamphlet binders, box board, chemicals, expendable filters for water systems); prefabricated archival quality protective enclosures used for storage of papers, microforms, photographs, videotapes, and other library materials (i.e., the boxes, wrappers, file folders, and envelopes available through supply catalogs); paper used for preservation photocopying; and film, chemicals, and other supplies used for preservation microfilming. Expenditures for equipment and tools costing under $100 should be recorded here. Expenditures for security labels and stamps, book pockets, call number and bar code labels, and book plates fall outside the scope of this survey and should not be recorded.

Since use of prefabricated boxes, wrappers, folders, and envelopes can involve a wide variety of library materials (e.g., books, manuscripts, maps, microfiche, microfilm, photographic prints, slides, various recorded sound media), as well as large and diverse supply inventories, statistics for these activities are difficult to collect. For the purposes of this survey, therefore, the expenditures for supplies, as recorded in question #8, will suffice as a measure of effort.

26. **Question 9.** Record expenditures for equipment and tools costing over $100, such as machinery (e.g., board shears, fume hoods, microfilming cameras, photocopy machines used exclusively for preservation photocopying), furniture (e.g., laboratory benches, chemical supply cabinets), and computer hardware purchased for exclusive use by a preservation department for such purposes as conservation management, bindery preparation, and bibliographic searching related to preservation decision making. Capital expenditures for building renovations (e.g., the construction of a conservation facility) or for construction that results in improved housing of library materials (such as replacement of heating, ventilating, and air conditioning systems) should be recorded in the "FOOTNOTES" section.

27. **Question 10.** This answer is the sum of the answers to questions #6d, #7f, #8, and #9. At this time, it is not possible to enter the total independently of the component figures, i.e., "U/A" entered will count as "0." If you can provide a total figure in one of these fields, even though one or more of the component fields are "Unavailable," please provide this information in a footnote in the "FOOTNOTES" section of the diskette.

    Certain preservation-related expenses are not requested in this survey (e.g., the cost of staff travel and training, printing brochures and posters, purchasing reference materials). If significant, these should be noted in the "FOOTNOTES" section.

28. **Question 11.** These are expenditures that are funded by special grants from external sources. Examples include staff salaries or the purchase of a major piece of equipment supported by a granting agency to undertake a grant-funded project.

    Record total preservation expenditures that came from external agencies in the form of grants from July 1,1993 through June 30, 1994 (or the library's equivalent fiscal year). Funds allocated from the library's regular operating budget (including gifts, royalties, endowment income, and special funds provided to the library by its parent institution) are regarded as internal and should not be reflected here.

29. **Questions 12-23.** Contract services are those for which the library is invoiced by an outside organization (e.g., a regional microfilming service), by an individual (e.g., a private conservator), or by a university operated "commercial" type bindery. In-house activities are those that are performed within the library and funded through the library's regular operating budget.

30. **Questions 12-14.** Answers to these questions should be mutually exclusive. **While any given volume may receive several conservation treatments, it should be recorded only once, in response to question #12, 13, or 14, in the category representing the highest level of sophistication.** For example, when an errata sheet is tipped in, it should be recorded only once as a "level 1 treatment" (question #12). Treatment of the pages of a volume or pamphlet should not be recorded under "unbound sheets" (question #16), even if the volume is disbound at the time the pages are treated. Rather, treatment of the volume should be recorded once, in response to question #12, #13, or #14, whichever is appropriate.

When a volume receives conservation treatment and a box is made for it, however, the conservation treatment should be recorded in response to question #12, #13, or #14, and the boxing should be recorded in response to question #18. In the same vein, when the pages of a book are repaired and the book is sent to a commercial bindery, the volume should be recorded in response to both "level 1 conservation treatment" (question #12) and "commercial binding" (question #19). Items that are sent to a commercial bindery without being repaired should not be reported in the "Conservation Treatment" section even if they have been inspected by a conservator.

Conservation encompasses a wide range of treatments, including binding pamphlets and paperbacks in-house, temporary serials binding, tipping-in errata sheets and other inserts, making pockets for loose parts such as maps and charts, slitting uncut pages, making page repairs, removing tapes and stains from pages, repairing text blocks (either before, or instead of sending them out for commercial binding), tightening hinges, replacing endpapers, rebacking, recasing, and rebinding. Treatments range from minor procedures that can be done relatively quickly by technicians to major procedures that require the skill and judgment of a conservator, involve written and photographic documentation, and are mechanically and chemically complex.

Conservation may also include item-by-item remedial treatment (NOT mass treatment) of individual items damaged by water, fire, and mold. For the purposes of this survey, the cost of mass treatments such as freeze drying and fumigation, as recorded in response to question #7e, "other contract expenditures," will suffice as a measure of effort.

Because the nature of procedures and the level of in-house conservation expertise varies significantly from library to library, and the degree of skill required to perform a particular treatment varies case by case, establishing criteria that assigns levels of sophistication to various treatments is problematic. In order to reflect the resource implications of conservation work as uniformly as possible across ARL libraries, treatments should be recorded based on the length of time that they require to perform. Use of archivally sound methods and materials is presumed in all cases.

31. **Question 12.** Level 1 conservation treatments are those that require 15 minutes or less to perform.

32. **Question 13.** Level 2 treatments are those that require more than 15 minutes but less than two hours to perform.

33. **Question 14.** Level 3 conservation treatments are those that require more than two hours to perform.

34. **Question 15.** This answer is the sum of the answers to questions #12-14. **It should reflect the total number of volumes (including pamphlets) that were treated, and not the total number of treatments performed.**

35. **Question 16.** Unbound sheets include items such as manuscripts, maps, posters, and works of art on paper. Procedures include a variety of remedial mechanical and chemical treatments (e.g., surface cleaning, washing, deacidifying, encapsulating, mounting, matting) that lengthen the life of the item. Include paper repairs that are made using methods and materials that are archivally sound and appropriate for the item being mended. **Report the total number of sheets of paper that were treated, and not the total number of treatments performed.**

36. **Question 17.** Non-paper items include such materials as films, magnetic tapes, disks, globes, and artifacts. Treatment of photographic materials is also reported here. Treatments might include cleaning, splicing, reformatting (e.g., from film to video tape), and duplicating for preservation purposes. The microfilming of photographs, however, should be recorded in response to question #23.

37. **Question 18.** "Custom-fitted enclosures" can be distinguished from the prefabricated boxes and other enclosures identified in question #8 as "supplies," in that the former are custom-made for the item that they are meant to protect, and the latter are standard-size enclosures available from supply catalogs. Custom-fitted enclosures include paper and polyester book jackets, paper and board wrappers, portfolios, phase boxes, double-tray boxes, and other boxes. (Polyester encapsulation of single sheets should not be reported here, but rather, in response to question #16.) Use of archival quality methods and materials is implicit.

38. **Question 19.** Record all volumes (including pamphlets) bound or rebound by a commercial bindery. In those cases where a university operates a "commercial" type bindery (see definition of commercial binding, instruction #20 above), and fees are paid to that bindery, enter data under "Contract" and make a note in the "FOOTNOTES" section.

39. **Questions 20-21.**

> **Mass deacidification** is a process by which books and papers are treated to neutralize acidity and to introduce an alkaline buffer. Materials are mass-deacidified in batches, in chambers that hold several (or many) items. Item-by-item deacidification of volumes and papers, as performed by conservators and conservation technicians, should be regarded as conservation treatment and recorded in response to question #14, not here.

While mass deacidification is not yet being carried out routinely by libraries, this question has appeared in earlier *ARL Preservation Statistics* questionnaires to establish base line data. Subsequent annual responses will serve as a measure of growth in deacidification activity over time.

40. **Question 21.** Record the number of linear feet of manuscripts and other papers actually treated, not the number of linear feet of shelving emptied for treatment.

41. **Questions 22.**

> **Preservation photocopying** refers only to items photocopied on paper that has a minimum pH of 7.5, a minimum alkaline reserve equivalent to 2% calcium carbonate based on oven dry weight of the paper, and includes no groundwood or unbleached pulp. Images must be properly fused to the paper.

Record the number of bound volumes and pamphlets photocopied in their entirety (i.e., each page has been photocopied such that a facsimile volume is produced).

42. **Question 23.**

> **Preservation microfilming** includes preparation of materials for microfilming, filming itself, processing, inspection, and subsequent disposition of both film and materials filmed. Adherence to preservation-related American National Standards Institute standards and Association for Information and Image Management standards for film stock, production, and storage is implicit.

Record data only for first-generation microforms. For monographs and serials (including newspapers), record data in all three categories (i.e., "volumes," "titles," "exposures"), if possible. For materials such as archives, manuscripts, maps, and photographs, record exposures only. Because this is likely to capture information on diverse types of materials, use the "FOOTNOTES" section to indicate the nature of major projects, e.g., "1,590 photographs filmed from the 19th Century Russian Collection; 12,493 manuscripts filmed from the Johnson Historical Collection."

An "exposure" is one frame of film. Please indicate in a footnote if the number of exposures reported includes all filming, or if the number reflects only filming of such materials as archives, manuscripts, maps, and photographs, where no title or volumes counts are available.

Include data for projects that are undertaken cooperatively with other libraries, but not for commercial projects in which the library participates (such as a situation in which a commercial vendor borrows library materials for filming and subsequent sale of the film). When the library serves as a commercial microfilming vendor for another institution, this filming should be recorded by the library that contracts to have the filming done, and not by the filming library.

Record preservation microform masters that result from the copying of non-archival or damaged film. Use the "FOOTNOTES" section to indicate what percentage of all master negative film is produced by copying existing film, rather than by filming original material.

Dissertations that are sent to University Microfilms International for filming should not be recorded.

43. **Footnotes.** Reporting libraries are urged to record in the "FOOTNOTES" section to report any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries (see instruction #6 for definition of branch campus libraries). Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, a copy of your footnotes from the 1992-93 *ARL Preservation Statistics* is included with the printed copy of the questionnaire. **Please update these notes, delete them, or indicate that they remain valid.** (Note that the numbers on the printed worksheet refer to the columns in the main data tables, e.g. I-5 is line 5 in Table I in the published *Preservation Statistics*. If you add new footnotes, please use the line numbers in the questionnaire.)

44. Return one copy of the diskette to the ARL Office by **November 30, 1994** and retain the worksheet and a copy of the diskette for your records. If there are any questions about the procedure to be followed in completing the survey, contact the ARL Office.

ARL PRESERVATION STATISTICS QUESTIONNAIRE

1993-94

PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE RESPONDING. NOTE: If the appropriate answer is zero, none, or not applicable, use 0. If an exact figure is unavailable, use -1 for U/A, i.e. unavailable.

Reporting Institution _____ **Date Returned to ARL** _____

Questionnaire Completed by (Name) _____

Title and Department _____

Phone number _____ **e-mail address** _____

ADMINISTRATION

1. **Does the library have a preservation administrator (yes/no)** 1._____

2. **If yes, what percentage of the administrator's total job assignment is dedicated to preservation activities and preservation program management?** 2._____%

3. **If yes, what is the job title of the person to whom the preservation administrator reports?**

_____

PERSONNEL

4. **If the library has a preservation administrator who supervises staff, how many staff are in the preservation unit (including the preservation administrator)?**

Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
4A._____	4B._____	4C._____	4D._____

5. **How many FTE staff are engaged in preservation activities library-wide (including staff reported in question #4 above)?**

Professional Staff FTE	Support Staff FTE	Student Assistants FTE	Total Staff FTE
5A._____	5B._____	5C._____	5D._____

EXPENDITURES

(Check one): **CANADIAN DOLLARS_____** **U.S. DOLLARS_____**

6. **Salaries and wages for staff engaged in preservation activities library-wide (as reported in question #5 above)**

   6a. **Professional staff** $_____

   6b. **Support staff** $_____

   6c. **Student assistants** $_____

   6d. **TOTAL expenditures for preservation staff** $_____

7. **Contract expenditures**

   7a. **Contract conservation** $_____

   7b. **Contract commercial binding (as reported on the 1993-94 *ARL Statistics* questionnaire in question #6)** $_____

   7c. **Contract preservation photocopying** $_____

   7d. **Contract preservation microfilming** $_____

   7e. **Other contract expenditures** $_____

   7f. **TOTAL contract expenditures** $_____

8. **Preservation supplies** $_____

9. **Preservation equipment** $_____

10. **TOTAL preservation expenditures (Add lines 6d, 7f, 8, & 9)** $_____

11. **Total preservation expenditures that came from external sources** $_____

CONSERVATION TREATMENT		CONTRACT	IN-HOUSE
12.	Number of volumes (including pamphlets) given level 1 conservation treatment	12A._____	12B._____
13.	Number of volumes (including pamphlets) given level 2 conservation treatment	13A._____	13B._____
14.	Number of volumes (including pamphlets) given level 3 conservation treatment	14A._____	14B._____
15.	TOTAL number of volumes (including pamphlets) given conservation treatment (Add lines 12, 13, & 14)	15A._____	15B._____
16.	Number of unbound sheets given conservation treatment	16A._____	16B._____
17.	Number of photographs and non-paper items given conservation treatment	17A._____	17B._____
18.	Number of custom-fitted protective enclosures constructed	18A._____	18B._____
BINDING			
19.	Number of volumes commercially bound or rebound (or bound in-house using methods and materials typically used by the commercial library binding industry)	19A._____	19B._____
MASS TREATMENT			
20.	Number of bound volumes and pamphlets mass-deacidified	20A._____	20B._____
21.	Number of linear feet of manuscripts mass-deacidified	21A._____	21B._____
PRESERVATION PHOTOCOPYING			
22.	Number of bound volumes and pamphlets photocopied in their entirety	22A._____	22B._____

PRESERVATION MICROFILMING PRODUCTION

23. TOTAL Microfilming Production		CONTRACT ROLL FILM	IN-HOUSE ROLL FILM	CONTRACT FICHE	IN-HOUSE FICHE
23a.	Volumes	1._____	2._____	3._____	4._____
23b.	Titles	1._____	2._____	3._____	4._____
23c.	Exposures	1._____	2._____	3._____	4._____

FOOTNOTES

1. Law Library statistics are included: _____ Yes _____ No _____ We do not have a Law Library

2. Medical Library statistics are included: _____ Yes _____ No _____ We do not have a Med. Library

3. Other main campus libraries *not* included: (listed in "Footnotes" below)

4. Figures include reports from branch CAMPUS libraries.

   _____ Yes _____ No _____ We have only one campus

   If branch campus libraries *are* included, please specify which campuses in the footnotes below.

   If branch campus libraries *are not* included, please specify which campuses in the footnotes below:

5. Are there any additonal footnotes? _____ Yes _____ No

Please indicate revisions, additions, and deletions in the 1992-93 ARL Preservation Statistics footnotes. If any footnotes published last year are unchanged, please mark to indicate that they are still valid. The numbers refer to columns in the main data tables in the publication, e.g. 1-5 is line 5 in Table 1.

PLEASE RETURN COMPLETED SURVEY DISKETTE TO THE ARL OFFICE BY NOVEMBER 30, 1994.

Association of Research Libraries, 21 Dupont Circle, Suite 800, Washington, DC 20036 (202) 296-2296
FAX (202) 872-0884. Please contact Jutta Reed-Scott (jutta@cni.org) or Martha Kyrillidou (martha@cni.org) for assistance with this questionnaire.

FOOTNOTES TO THE ARL PRESERVATION STATISTICS 1993-94

Institution	Category from Main Tables *(Table, column)*	Notes
ALABAMA		Figures are for fiscal year ending September 30, 1994.
		There are no figures included from the University of Alabama in Birmingham or the University of Alabama in Huntsville.
	I, 2	Preservation administrator in Law Library dedicates 10% of total job assignment to preservation activities.
ALBERTA	II, 12, 14	Expenditures in Canadian dollars were: (12) 20,641,158; (14) $6,578,387.
ARIZONA		Due to our library-wide restructuring this past year, the data provided herein best reflect only what is available to us at this point.
ARIZONA STATE		Includes Law and ASU West Library
	I, 3-6	Excludes 1 frozen professional Collections Conservator position.
AUBURN		Figures are for fiscal year ending September 30, 1994.
	II, 8	Supplies are purchased centrally for all library departments: specific break-down is unavailable.
	II, 9	Represents equipment maintenance rather than purchases.
BOSTON		Includes Law, Medical, and Theology Libraries.
BOSTON PUBLIC LIBRARY		Preservation activities are administered by departments with a Preservation Laboratory attached to the Rare Books Department.
BRITISH COLUMBIA		Fiscal year for University of British Columbia is April 1 to March 31: these statistics represent ARL fiscal year July 1 to June 30.
		Includes Law and Medical Libraries, and hospital branch libraries at Vancouver General, St. Paul's, Children's and Woman's Hospitals.
	V, 1	Includes British Columbia Sessional Papers and two newspapers.
	V, 9	Includes 9,455 archival images from the James G. Swan Papers.
	II, 1-12; 14	Expenditures in Canadian dollars were: (1) $332,523; (2) 0; (3) $251,181; (4) 0; (5) $48,908; (6) $5,573; (7) $305,662; (8) $7,298; (9) $448; (10) $645,931; (11) $70,414; (12) $26,124,028; (14) $8,276,556.
BRIGHAM YOUNG		Figures are for fiscal year ending August 31, 1994.
		Excludes Law Library and branch campus libraries at Brigham Young University Hawaii Campus and Jerusalem Center.
	II, 1	Salaries do not include two full-time vacant positions during fiscal year 1993-94.

Institution	Category from Main Tables *(Table, column)*	Notes
BROWN		Includes Medical Library; excludes J. Carter Brown Library.
	II, 5	Microfilming was funded through the RLG/NEH GCMP II grant.
	V, 9	Figures reflect master negative reels. Excludes duplicating negatives and positive use copy.
CALIFORNIA, BERKELEY		Excludes Law Library
	I, 8-9	The increase in Conservation Department support staff and GA reflects a new department focus for grant projects which includes processing for manuscript collections.
	II, 3	Figure reported includes expenditures for the Law Library and a few other affiliated libraries for which no other preservation statistics are reported. Excluding those libraries, U.C. Berkeley spent $791,360 on library binding.
	II, 6	Figures reflect expenses for contracted support staff hired to complete a major stack cleaning project.
	III, 3	Figure includes conservation treatment taking less than fifteen minutes, for which separate statistics are not taken.
	V, 1-4	Only roll film is created; no microfiche production.
CALIFORNIA, DAVIS		Excludes Law, Medical, and Health Sciences Libraries.
	II, 3	Includes University Bindery. Excludes Law and Medical Libraries, and supplies expenditures included in figure reported to 1993-94 *ARL Statistics*.
	II, 6	Includes commercially available reprints purchased to replace existing brittle volumes.
	II, 11	Figure represents University of California Preservation Program funds.
CALIFORNIA, IRVINE		Includes figures for Medical Library.
CALIFORNIA, LOS ANGELES		Includes Law and Medical Libraries.
	II, 3	Figure does not match that reported to the *1993-94 ARL Statistics*, because it excludes $45,650 reported in line II, 2 (Contract Conservation) and $76,617 included in line II, 8 (Supplies).
	II, 6	Other contract expenditures includes $4,060 to remaster 125 field interview audio cassettes.
	IV, 1-2	Contract library binding is done by the University of California's Bindery.
CALIFORNIA, SAN DIEGO	I, 10	In addition, 375 hours were worked by volunteers.
	I, 7, 10	Includes .875 FTE for special projects, paid with grant funds.
	II, 3	Differs from ARL statistics because ARL statistics reflect actual expenditures, while ARL Preservation Statistics reflect expense for volumes sent to Bindery for which charges lag by two months.
	V, 9	Includes 33,749 exposures from two manuscript collections.

Institution	Category from Main Tables *(Table, column)*	Notes
CALIFORNIA, SANTA BARBARA	III, 4, 6	Volumes given level 2 and level 3 treatment included in level 1 (III, 2).
CANADA INST. FOR SCITECH.	II, 12, 14	Expenditures in Canadian dollars were: (12) $24,652,200; (14) $9,000,000.
CASE WESTERN RESERVE		Includes Law, Medical, and the Mandel School of Applied Social Sciences Libraries.
	II, 2	$768 is for mass deacidification. ($5,241 for contract lamination and $931 for contract phase boxes is included in table II, 3, so it was not reported here.)
CENTER FOR RESEARCH LIBS.	II, 6	Print master storage.
	II, 11	Includes funds from grants and restricted funds.
	V, 9	Number of exposures for two grant projects not available.
CHICAGO		Includes Law and Medical Libraries.
	IV, 5	30 flat maps
	IV, 7	Reported figure does not include 1,200 single sheets for Special Collections.
CINCINNATI		Includes Law and Medical Libraries. Excludes branch campus libraries at Raymond Walters College and Cleremont College.
	I	Due to the reorganization of the Access Services Division, the former Department Head and several FTE were reassigned to other departments.
COLORADO		Includes Law Library.
COLUMBIA	I, 6	Staff hired for Special Projects, Internships, Grants is 24.4 FTE.
	II, 3	Contract Commercial Binding includes $42,250 of Law Library expense and $66,383 of Health Sciences Library expense. No other Law Library or Health Science Library preservation expenses are included in these statistics. Clam shell boxes and other complex protective enclosures are included in Contract Conservation; phase boxes and other simple protective enclosures produced by our commercial binder are included in II, 3.
	III, 12	This number represents only boxes constructed by professional conservators. Phase boxes and other fitted enclosures constructed by our commercial binder are included in IV, 1.
CONNECTICUT		Includes Medical, Law, and Greater Hartford Campus Libraries. Excludes branch campus libraries at Avery Point, Stamford, Waterbury, and Litchfield County Center for Higher Education.
	II, 2	Includes $24,944 for boxes purchased from a commercial binder and charged to the commercial binding budget; $8,446 for reproduction of film onto videotape, $15,218 for mass deacidification, and $1,090 for conservation treatment.
	II, 3	Figure differs from the $258,134 reported in the *1993-94 ARL Statistics* because expenditures for commercially-made boxes ($24,944) have been subtracted and recorded under "Contract Conservation (II, 2)."

Institution	Category from Main Tables *(Table, column)*	Notes
CONNECTICUT (cont'd)	II, 11	Includes $3,942 LSCA Title III preservation grant from the Connecticut State Library and $8,446 from UConn Class of '42.
	III, 9-10	1 wall map treated by a regional conservation center.
	III, 11	Figure represents 49 reels of 16-mm. cellulose acetate film copied to videotape (master, sub-master, and 3 service copies)
	III, 12	Figure represents 915 videotapes cleaned and evaluated and 100 videotapes repaired.
	IV, 3-4	Figure represents 91 scrapbooks and 700 maps commercially mass-deacidified.
CORNELL		Excludes Medical Library.
		Includes Law Library and Geneva Experimental Station Library.
	I	Staff hired on special projects and grants are included, but FTE not identified.
DARTMOUTH		Includes Medical Library.
	II, 3	Contract Conservation figure (line II, 2) is included in figure reported to *1993-94 ARL Statistics*.
DELAWARE	I, 4	1.00 support staff in NEH funded position for the Delaware Newspaper Project.
	I, 5	1.68 Student Assistants from Delaware Newspaper Project.
	IV, 8	Figure represents the number of manuscript sheets photocopied for preservation.
	V, 5-12	Microfilming done for Delaware Newspaper Project. Delaware titles included in this total are: 2 titles for 63,226 exposures.
DUKE		Includes Law, Medical, and Fuqua School of Business Libraries.
	I, 1	Law Library has a preservation administrator with 10% of that person's time devoted to preservation activities.
EMORY		Includes Law, Medical, Theology, and Oxford College Libraries.
	II, 5	Figure does not include cost of film produced in SOLINET/ASERL project.
	V	Includes volumes, titles and exposures filmed in the SOLINET/ASERL project.
FLORIDA	I, 3, 7	Includes 1.0 FTE professional level staff volunteer.
	II, 6	$42,121 paid out for regeneration of deteriorated microform masters created in the 1950's on acetate film.
FLORIDA STATE		Excludes Panama City branch, Law Library, and Developmental Research School.
	II, 3	Includes Law Library expenditures included in figure reported to *1993-94 ARL Statistics*.
GEORGETOWN		Includes Law and Medical Libraries.
	I, 3-6; II, 1	Only Law Library has a preservation administrator. Data apply to Law Library only.

Institution	Category from Main Tables *(Table, column)*	Notes
GEORGIA		Includes Law Library, Agricultural Experiment Stations at Griffin and Tifton, and Marine Experiment at Sapelo and Skidaway.
	V, 13-15	Microfilming is supported by the ASERL/SOLINET/NEH Grant Project.
GEORGIA TECH		As noted in previous years, our emphasis has been on the acquisition of new materials in science and technology; we have many valuable materials in the area of science and technology that should receive preservation treatment if funds were available.
GUELPH		Figures are for fiscal year ending April 30, 1994.
	II, 2-3	The sum of these two figures is reported as contract binding expenditures in the *1993-94 ARL Statistics*.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $126,197; (2) $5,464; (3) $119,412; (4) 0; (5) 0; (6) 0; (7) $124,876; (8) $11,734; (9) $2,821; (10) $265,628; (11) 0; (12) $8,920,814; (14) $3,188,923.
HARVARD		Includes Law and Medical Libraries.
	IV, 3	Includes 2,646 folded maps.
HAWAII		Excludes Law Library.
HOUSTON		The University of Houston Libraries' fiscal year runs from September 1 to August 31.
ILLINOIS, URBANA		Includes Law Library.
	I, 4	Includes one position vacant throughout the year for lack of funding.
	I, 10	In addition, documented work by volunteers in two Library units totalled 1,725 hours or approximately .83 FTE.
	II, 3	Includes $2,704 for 338 phase boxes included in the quantity reported on III, 12.
INDIANA		Includes Medical and Law Libraries. Excludes branch campuses at Indianapolis, Richmond, Ft. Wayne, Kokomo, Gary, South Bend, and New Albany.
	I, 7-10	Beginning with 1993-94, the Indiana University Libraries report includes libraries that are part of the Bloomington campus library system, but are not under the budgetary authority of the Dean of University Libraries. These are: the Indiana University Law Library, the Kinsey Institute Library, and the Archives of Traditional Music. Also, the Indiana University Archives became part of the Bloomington campus library system in 1993, and is included for the first time in this report.
	II, 5	1) Fumigation of IU Archives collection $450. 2) Master negative vault rental at NUS $413.
	V, 1	Roll film: 100 volumes of the *Indiana Daily Student*, filmed cooperatively for the Indiana Newspaper Project.
	V, 7	Microfiche: Latin American pamphlets primarily from the Munoz collection.

Institution	Category from Main Tables *(Table, column)*	Notes
JOHNS HOPKINS		Includes School of Advanced International Studies, Peabody Conservatory, Applied Physics Laboratory, and Welch Medical Libraries.
		Excludes Italy Center (Bologna), China Center (Nanjing), and Institute for the History of Medicine.
		The library's data for items I, 3-10, II, 1, 7-11 in 1990-91 through 1992-93 were inadvertently under-reported.
	II, 11	These expenditures represent a grant from NEH to offer hands-on workshops in preservation techniques to a national audience. Funding for staff salaries was $20,536. The remainder of the money was for fringe benefits, supplies, printing, postage, telephone, etc.
KANSAS		Includes Law Library, the Regents Center (Overland Park), and the University of Kansas Medical Center in Kansas City.
		Excludes Clendening History of Medicine Library, Kansas City, and the University of Kansas School of Medicine in Wichita.
KENT STATE		Excludes branch campus libraries at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas.
	II, 3	Excludes expenditures for branch campus libraries which were included in figure reported to the 1993-94 *ARL Statistics*.
	II, 8	Estimate.
KENTUCKY		Includes Law and Medical Libraries.
		Excludes branch campus libraries at Lexington, Prestonburg, Madisonville, Ashland, Somerset, Hopkinsville, Louisville, Elizabethtown, Cumberland, Maysville, Paducah, Owensboro, Hazard, and Henderson.
	I, 3-6	Includes Binding/Repair Unit (1 FTE professional; 1 FTE support staff, 1.6 FTE student); Microfilm Center (6.25 FTE support staff, 2.63 FTE student); and SOLINET/ASERL Preservation Microfilming Project staff (.04 FTE professional, .06 FTE support staff, .41 FTE student).
	I, 3-6	Several support staff positions were vacant for a total of 6 months.
	II, 6	Includes service and maintenance contracts for microfilming equipment.
	IV, 8	Total represents 450 pamphlets.
LAVAL		Figures for the fiscal year ending May 31, 1994.
	II, 8	Figure reported to the 1993-94 *ARL Statistics* also includes expenditures for preservation supplies (Can. $79,171).
	II, 5, 11 V	Preservation microfilming was funded by the Mellon Foundation and carried out in cooperation with four Canadian university libraries.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $286,849; (2) 0; (3) $109,261; (4) 0; (5) $51,679; (6) 0; (7) $160,940; (8) $79,171; (9) 0; (10) $526,960; (11) $51,679; (12) $15,966,119; (14) $5,220,002.

Institution	Category from Main Tables *(Table, column)*	Notes
LIBRARY OF CONGRESS		Figures are for fiscal year ending September 30, 1994.
	III, 12	Does not include 13,491 disc recordings cleaned and repacked; 981 reels of motion picture film cleaned; 880,000 feet of motion picture film replaced or converted; 107,203,500 feet of sound recordings converted to magnetic tape and 1,295 videos copied.
LINDA HALL		Figures are for fiscal year ending December 31, 1993.
LOUISIANA STATE		Excludes Law and Veterinary Medicine Libraries.
McGILL		Figures are for fiscal year ending May 31, 1994.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $48,645; (2) 0; (3) $255,846; (4) 0; (5) $12,289; (6) $220; (7) $268,355; (8) 0; (9) 0; (10) $317,000; (11) $1,950; (12) $18,338,285; (14) $5,526,593.
McMASTER		Excludes Medical Library.
		All figures are for the fiscal year ending April 30, 1994.
	II, 3	Excludes Health Sciences Library expenditures that are included in figure reported to *1993-94 ARL Statistics*.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $169,186; (2) 0; (3) $104,000; (4) 0; (5) $3,800; (6) 0; (7) $107,800; (8) $32,316; (9) $8,123; (10) $317,425; (11) $10,773 (12) $11,888,524; (14) $4,660,551.
MANITOBA		Figures are for fiscal year ending March 31, 1994.
	II, 3, 5	Reported as a combined total in *1993-94 ARL Statistics* (Can. $161,198 + Can. $15,309 = Can. $176,507).
	II, 8	Includes costs of security strips.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $219,491; (2) 0; (3) $161,198; (4) 0; (5) $15,309; (6) 0; (7) $176,507; (8) $10,225; (9) 0; (10) $406,223; (11) 0; (12) $12,414,664; (14) $3,681,882.
MARYLAND	I, 8	FTE staff library wide include the following (besides the Preservation Dept.): Nat. Pub. Broadcasting Archives--.50; Archives & MS--.25; Marylandia Room--.10; EPSL--.50.
	I, 9	FTE staff library wide include the following (besides the Preservation Dept.): Nat. Pub. Broadcasting Archives--1.25; Archives & MS--1.00; Marylandia Room--.25.
	II, 8	Preservation supplies include the following units: Archives and Manuscripts--$10,800; Marylandia Room--$6,526; Preservation Dept.--$7,154.
MIAMI		Includes Law and Medical Libraries and Rosentiel School of Marine and Atmospheric Science Library.
		University of Miami fiscal year is June 1 to May 31.
	I, 3-6	The Medical School Library and the Library of the Rosentiel School of Marine and Atmospheric Sciences are on branch campuses.

Institution	Category from Main Tables *(Table, column)*	Notes
MIAMI (cont'd)	II, 5	The University of Miami is a participant in a NEH funded microfilming project. The project is sponsored and managed by the Association of Southeastern Research Libraries (ASERL) and the Southeastern Library Network (SOLINET). The figure shown represents the University of Miami's contribution in dollars, and covers bibliographic verification costs, shipping, insurance, and other miscellaneous expenses. Actual filming costs are paid by SOLINET.
	III, 9-10	This figure relates solely to work performed by specialists. It excludes routine work performed by non-specialists even though it yields a conservation benefit.
	V, 1	Work completed as part of ASERL/SOLINET preservation microfilming project. See footnote for line II, 5.
MICHIGAN		Includes Medical Library. Excludes Law Library, Bentley Historical Collections, Clements Library, Kresge Business Administration Library, and branch campus libraries at Dearborn and Flint.
	I, 3	Conservation Assistant II position vacant 7 months.
	I, 4	Conservation Assistant I position vacant 11 months.
	I, 6	Includes seven volunteers.
	II, 1	As salary figures for staff engaged in preservation activities library-wide are unavailable, the figures given in each of the categories in this question reflect only staff employed in the Preservation Division.
	II, 3	Excludes expenditures for Law and Business Libraries included in figure reported to *1993-94 ARL Statistics*.
	II, 8	Includes supplies purchased with Preservation Division funds for use both within and outside the division.
	II, 9	Includes equipment purchased with Preservation Division funds for use both within and outside the division.
	II, 10	Excludes expenditures of $81,315 from the Preservation Division's institutional funds for the purchase of commercially available replacements.
	III, 1-2	Includes an estimated 3,000 minor treatments (e.g., tip-ins) performed by library staff on-site at the various library locations, with instruction and supplies from Conservation/Book Repair staff.
MICHIGAN STATE	II, 1	Student salary is based on average cost per hour to the library, including work-study for which the library pays 30% of the total wage.
	II, 2	Figure in brackets in included in total in line II, 3.
	II, 6	Includes other expenses paid through NEH-CIC Cooperative Microfilming Project grant.
	II, 8	Include Preservation Department, Art, and Special Collections expenditures.
	III, 1-2	Includes 17,900 standard size catalog order enclosures used in Special Collections and Art Libraries.

Institution	Category from Main Tables *(Table, column)*	Notes
MINNESOTA		Includes Medical Library, excludes Law Library.
	II, 3	Contract commercial binding includes Law Library.
	IV, 1	Excludes commercial binding for the Law Library.
MISSOURI		Includes Medical Library. Excludes Law Library and campus libraries at Kansas City, Rolla, and St. Louis, as they are separate campuses within the University of Missouri System.
	II, 3	Excludes Law Library expenditures included in figure reported to *1993-94 ARL Statistics*.
NATIONAL AGRICULTURAL LIBRARY		Figures are for the fiscal year ending September 30, 1994.
NATIONAL LIBRARY OF CANADA		Figures are for fiscal year ending March 31, 1994.
	II, 5	Includes Can. $100,000 representing National Library of Canada's and universities' share of expenditures of the Canadian Theses on Microfiche Service.
	II, 6	Includes Can. $615,000 spent on mass deacidification.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $552,303; (2) N/A; (3) $45,066; (4) N/A; (5) $134,899; (6) $1,250,000; (7) $1,429,965; (8) $10,900; (9) $30,000; (10) $2,023,168; (11) $669,000; (12) $44,181,417; (14) $2,488, 621.
NATIONAL LIBRARY OF MEDICINE		Figures are for the fiscal year ending September 30, 1994.
	II, 2-7	Except for commerical binding, contract figures are for amounts obligated in FY 94 not spent and do not correlate with production figures, as only completed work is reported in sections III-V.
	II, 5	Includes $143,800 for microfilm preparation contract and $435,800 for microfilming services.
	II, 6	Other contract expenditures are: Microfilm Reproduction ($48,497); Microfilm Inspection ($30,000); Microfilm Vault Rental ($28,650); Motion Picture Vault Rental ($42,348); Binding Preparation ($144,170); Collection Condition Survey Consultant ($15,000); which totals $308,665.
	II, 9	Equipment: figure exludes $29,000 renovation of Book Repair Lab space.
NEBRASKA		Excludes Law Library.
	II, 2	Excludes fees paid to a commercial binder for protective enclosures, etc., which are included in line II, 3.
	II, 3	Excludes Law Library expenditures included in figure reported to *1993-94 ARL Statistics* ($164,350).
NEW MEXICO		Excludes Health Sciences Libraries and branch campuses at Gallup, Los Alamos, Santa Fe, Taos and Valencia.
	II, 3	Includes expenditures for Health Sciences Libraries as reported to the *1993-94 ARL Statistics*.

Institution	Category from Main Tables *(Table, column)*	Notes
NEW MEXICO (cont'd)	II, 11	The General Library received approximately $108,598 for the third year of an NEH Newspaper Project grant, which funded some of the microfilming and supplies reported in II, 2-8, and 65% of salaries for 2 FTE professionals, 2 FTE support staff, and .5 FTE student assistant reported in I, 6 and II, 1.
	IV, 1	Includes the volume count for the General Library and the Law Library only; Health Sciences Library figures are unavailable.
	V, 9	Includes New Mexico Newspaper Project (30,539), American Indian oral history transcripts, Clement March diaries, architectural photos.
NEW YORK		Includes Law and Medical Libraries, Dental School, Institute of Fine Arts, Courant Institute, and Environmental Medicine.
		Figures are for fiscal year ending August 31, 1994.
	III, 11	175,000 linear feet of moving image film.
NEW YORK STATE LIBRARY		Figures are for fiscal year ending March 31, 1994.
NORTH CAROLINA		Includes Law and Medical Libraries.
	III, 4	Pamphlet binders are made in-house.
NORTH CAROLINA STATE		Includes Veterinary Medical Library.
		The NCSU Libraries is currently recruiting for a new position of preservation administrator.
	II, 3	Includes expenditures for contract conservation.
NORTHWESTERN		Includes Law, Dental, Schaffner, and Science and Engineering Libraries.
		Figures are for the fiscal year ending August 31, 1994.
	I, 3	The position of Collections Conservator, a permanent position in the Preservation Department, was vacant for 7 months of Fiscal Year 1994.
	II, 11	Includes grant money as follows: salaries, excluding benefits ($90,179), microfilming ($49,369).
NOTRE DAME	I, 3-6	Includes NEH funded microfilm project staff (1 FTE professional, 2 FTE support staff, and 1.25 FTE student.)
	II, 3	Law Library figures are included in figure reported for *1993-94 ARL Statistics*.
	II, 5	Includes cost for remote storage of master negatives: $1,317.
	II, 6	Includes $1,505 for mass deacidification.
	V, 1	Includes NEH microfilming of the Medieval Institute Library (1,508 titles, 3,725 volumes, and 972,526 exposures).
OKLAHOMA		Includes Law and Medical Libraries.

Institution	Category from Main Tables *(Table, column)*	Notes
OKLAHOMA STATE		Includes OSU Technical Branch in Oklahoma City, OSU Technical Branch in Okmulgee, and College of Osteopathic Medicine and Surgery in Tulsa.
OREGON		Library reorganization created new Preservation & Binding Dept., July 1, 1993, from existing units within Catalog Dept.
		Main Library completed three-year building project, including three shifts of entire collection, performed by library staff.
	II, 8	More accurate number than previously available.
	II, 9	Beach Lab conservation equipment moved from Special Collections to Preservation Department.
	IV, 8	Includes 2,000 manuscript items.
PENNSYLVANIA		Includes Law and Medical Libraries.
PENNSYLVANIA STATE		Excludes Medical Library.
	I, 3-6	Branch libraries included in statistics are: Earth & Mineral Sciences, Physical Sciences, Engineering, Math, Architecture, Education, Pollock.
	I, 8	Figure includes 3.25 FTE hired July 1993-April 1994 to assist in flood recovery.
	II, 6	Figure includes fees paid for commercial vacuum freeze-drying.
	III, 3	Includes preservation reformatting of videotapes.
PITTSBURGH		Includes Law and Medical Libraries. Excludes Western Psychiatric Institute and Clinic, and branch campuses at Bradford, Greensburg, Johnstown, and Titusville.
	II, 3	Excludes Western Psychiatric Institute and Clinic Library.
PRINCETON	I, 6	Includes .3 FTE outside volunteers under student assistants, and 2.93 FTE grant-funded microfilming project processing positions: 0.33 FTE professional staff, 2.0 FTE support staff, and .6 FTE student assistants.
	I, 10	Includes 3.5 FTE grant-funded microfilming project positions in cataloging: 2.5 FTE professional staff, .5 FTE support staff, and .5 FTE student assistants.
	V, 1; 5; 9	Figures represent contract work produced through grant-funded microfilming projects. NEH Arabic Project II (5,197 volumes, 4,858 titles, and 811, 067 exposures); RLG GCMP III (Turkish): (474 volumes, 474 titles, 76,936 exposures).
QUEEN'S		Figures are for fiscal year ending April 30, 1994.
		Includes Law, Health Sciences and Education Libraries. Excludes preservation activities in the University Archives.
	I, 3-6	Includes Douglas Library and branches. Excludes Education, Health Sciences, and Law Libraries.
	II, 6	Represents freeze-drying after a flood (covered by insurance).
	II, 9	Included in line II, 8 (Supplies).

Institution	Category from Main Tables *(Table, column)*	Notes
QUEEN'S (cont'd)	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $76,198; (2) 0; (3) $184,672; (4) 0; (5) 0; (6) $18,717; (7) $203,389; (8) $5,000; (9) 0; (10) $284,588; (11) 0; (12) $12,125,089; (14) $4,523,964.
ROCHESTER		Includes Miner School of Medicine and Dentistry, Sibley Music Library, and Eastman School of Music.
	II, 7	Includes New York State Conservation/Preservation grant funds to support a photographic preservation research and development project conducted by Image Permanence Institute. In this case, IPI is considered a vendor. This year is the first of a two year project.
RUTGERS		Includes Law Library and services to a non-Rutgers medical school, colleges, and professional schools in Camden, Newark and New Brunswick.
SASKATCHEWAN		Includes Law and Medical Libraries. Fiscal year end is April 30, 1994.
	III, 2	Figures for routine mending done in Circulation and Branch Libraries, i.e., outside of central Binding Unit reporting to the Head of Cataloguing and Special Collections, are unavailable.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $142,774; (2) 0; (3) $66,459; (4) 0; (5) 0; (6) 0; (7) $66,459; (8) 0; (9) 0; (10) $209,233; (11) 0; (12) $10,422,838; (14) $4,396,440.
SMITHSONIAN		Includes branch libraries of the Center for Astrophysics in Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum in New York City; Smithsonian Tropical Research Institute in the Republic of Panama. Excludes the libraries of Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art and National Portrait Gallery.
	I, 6	1 FTE professional position vacant for two months.
	II, 1	Excludes lapsed salary of $6,036 for vacant position in FY 1994.
	III, 8	Includes 256 minor, 90 intermediate and 93 major treatments performed as part of General Collections Repair Program.
	V	Work was completed in FY 1994 with FY 1993 funds.
SOUTH CAROLINA		Includes Law and Medical Libraries. Excludes branch campus libraries at Aiken, Salkehatchie, Beaufort, Lancaster, Spartanburg, Sumpter and Union.
SOUTHERN CALIFORNIA		Includes Law and Medical Libraries; excludes Arnold Schoenberg Institute Archives.
SOUTHERN ILLINOIS	I, 5	Includes .4 FTE graduate assistants.
STANFORD		Stanford's fiscal year is September 1 through August 31. Includes the Hoover Institution and the Hopkins Marine Station.

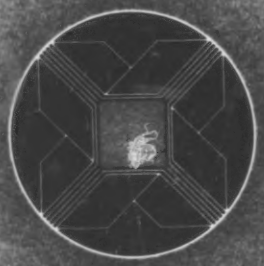
Institution	Category from Main Tables *(Table, column)*	Notes
STANFORD (cont'd)		Excludes Law, Medical, Stanford Linear Accelerator Center, and Graduate School of Business Libraries.
	I, 2	In Stanford University Libraries, 1 FTE preservation administrator; in Hoover Institution 1 FTE preservation administrator.
	I, 4; II, 8	Includes 1 FTE conservator hired for a 1-year project
	II, 3	Includes Law and Medical libraries' expenditures for contract commercial binding.
	IV, 1-2	Figures represent only binding performed by the University Library and Hoover Institution.
	V, 9-12	Exposures include 72 manuscript boxes of materials.
	V, 14	Titles include 15,612 pamphlets.
SUNY-ALBANY		Includes Thomas E. Dewey Library of the Rockefeller College of Public Affairs and Policy.
SUNY-BUFFALO		Includes Law and Medical Libraries.
		Figures are for the fiscal year ending June 30, 1994.
SUNY-STONY BROOK		Figures are for fiscal year ending March 31, 1994
		Includes Medical Library.
		Branch libraries: Biology, Chemistry, Computer Science, Earth and Space Sciences, Engineering, Math/Physics, Marine Sciences, Music.
SYRACUSE		Includes Law Library.
	II, 3	Includes expenditures for Law Library as reported in *1993-94 ARL Statistics*.
	II, 6	Includes Commission on Preservation and Access funding ($2,500).
TEMPLE		Includes Law and Medical Libraries, and branch libraries at Amble and Tyler School of Art.
TENNESSEE		Includes Law Library and excludes branch campus libraries at Chattanooga, Martin, and Memphis.
	I, 1-10	Administration of preservation operates through a six-member preservation matrix organization.
	II, 3	Figure includes binding expenditures for Law Library as reported in the *1993-94 ARL Statistics*.
TEXAS		Includes Law Library. Excludes the McDonald Observatory Library.
		Fiscal year from September 1 to August 31.

Institution	Category from Main Tables *(Table, column)*	Notes
TEXAS (cont'd)	I, 1-2	The Harry Ransom Humanities Research Center employs 1 FTE Chief Conservation Officer who reports to the Director of the Center. The General Libraries employs 1 FTE Preservation Officer who reports to the Deputy Assistant Director for Information Resources and Collections. The Tarlton Law Library's Archivist/Rare Book Librarian devotes 10% of his time to preservation administration activities. He reports to the Assistant Librarian for Public Services.
	I, 3-6	General Libraries (2 professionals, 9.38 non professionals, 0 student assistant) includes 2.25 FTE non professional staff hired for a grant project. Harry Ransom Humanities Research Center (10.38 professional, 5 non professional., 1.35 student assistant) includes 2.28 FTE professional staff hired for a grant project.
	I, 7-10	General Libraries (4.48 professional, 23.7 non professional, 1.08 student assistant) includes 1.98 FTE professional and 7.95 FTE non professional staff hired for or contributed toward grant projects. Harry Ransom Humanities Research Center (10.38 professional, 8 non professional, 1.35 student assistant) includes 2.28 FTE professional staff hired for a grant project. Tarlton Law Library (.1 professional, 1 non professional, .25 student assistant).
	II, 1	General Libraries ($146,867 professional, $335,229 non professional, $9,345 student assistant totals $491,441). Harry Ransom Humanities Research Center ($258,804 professional, $96,990 non professional, $38,398 student assistant totals $394,192). Tarlton Law Library ($2,648 professional, $14,399 non professional, $3,016 student assistant totals $20,063).
	II, 2	Harry Ransom Humanities Research Center for one painting.
	II, 3	General Libraries $194,882 figure includes: $8,804 contracted to the University's Printing Division for binding. Tarlton Law Library figure includes $9,967 contracted to the University's Printing Division for binding.
	II, 4-5	General Libraries only.
	II, 6	Harry Ransom Humanities Research Center for four mass deacidification (DEZ) shipments.
	II, 8	General Libraries $17,596; Harry Ransom Humanities Research Center $38,000; Tarlton Law Library $3,400.
	II, 9	Small equipment purchases for General Libraries and Harry Ransom Humanities Research Center included in II, 8.
	II, 10	General Libraries $852,544; Harry Ransom Humanities Research Center $457,192; Tarlton Law Library $33,430.
	II, 11	General Libraries: NEH Texas Newspaper Project ($73,806, not including travel to meeting or to pick up newspapers for filming); NEH Benson Latin American Collection Brittle Monographs Project ($179,531, not including travel to meeting); Title II-C Bibliographic Control for and Preservation of Mexican Archives ($15,644). Harry Ransom Humanities Research Center: NEH Mass Deacidification Project ($68,664).
	III, 2	General Libraries 23, 289; Harry Ransom Humanities Research Center (1); Tarlton Law Library 2,497.
	III, 4	General Libraries 1,368; Harry Ransom Humanities Research Center 100; Tarlton Law Library 50.
	III, 6	General Libraries 73; Harry Ransom Humanities Research Center 90; Tarlton Law Library 163.

Institution	Category from Main Tables *(Table, column)*	Notes
TEXAS (cont'd)	III, 8	General Libraries 24,730; Harry Ransom Humanities Research Center 191; Tarlton Law Library 2,547.
	III, 10	General Libraries 2,392; Harry Ransom Humanities Research Center 4,300.
	III, 12	General Libraries 2,460; Harry Ransom Humanities Research Center 208; Tarlton Law Library 5.
	III, 14	General Libraries 1,377; Harry Ransom Humanities Research Center 7,167; Tarlton Law Library 25.
	IV, 1	General Libraries 28,069; Tarlton Law Library 980.
	IV, 3-6	Harry Ransom Humanities Research Center only.
	IV, 7-8	General Libraries only. Also made preservation photocopies for 5,000 unbound sheets.
	V	In-house roll film for Harry Ransom Humanities Research Center only. All other figures for General Libraries only. Contract roll film: NEH Benson Latin American Collection Brittle Monographs Project (2,377 volumes; 1,916 titles; 369,462 frames); NEH Texas Newspaper Project (29 titles; 136,916 frames. No volume count provided as most of the newspapers were unbound); Patron Requested filming for Benson Latin American Collection and Center for American History Materials (62 volumes, 50 titles, 8,643 frames).
TEXAS A&M		Fiscal year ending August 31, 1994.
TORONTO		Includes Medical Library. Excludes Law Library, Scarborough College, Erindale College, and all of Federated Colleges.
		Figures are for fiscal year ending April 30, 1994.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $835,950; (2) $20,000; (3) $373,048; (4) 0; (5) $44,652; (6) 0; (7) $437,700; (8) U/A; (9) U/A; (10) $1,273,650; (11) $61,185; (12) $39,392,763; (14) $12,199,578.
TULANE		Includes Law, Medical, and Women's Center Libraries.
UTAH		Excludes Law and Medical Libraries.
	II, 3	Commercial Binding figure includes Law, Medical, and main libraries as reported in the *1993-94 ARL Statistics*.
	II, 5	Expenditures for contract preservation microfilming are included in II, 3 (Contract Binding).
VANDERBILT		Includes Law and Medical Libraries.
VIRGINIA		Includes Law and Medical Libraries.
	II, 3	Includes contract conservation ($3,938) and preservation supplies ($26,303).
VPI & SU		Includes Northern Virginia Graduate Center in Falls Church.

Institution	Category from Main Tables *(Table, column)*	Notes
WASHINGTON		Includes Law and Medical Libraries and branch campuses of Bothell and Tacoma.
	III	Excludes Law Library figures.
	V, 5, 9	Figure for contract roll film represents newspapers.
	V, 3, 7, 11	Contract fiche exposures are not available for Law Library.
WASHINGTON STATE		Excludes branch campuses of Spokane, Tri-Cities, and Vancouver.
WATERLOO		Special Collections Librarian and the Coordinator of Collections Management oversee conservation activities. The primary initiative continues to be replacement/binding of books in the Collection and binding new books on entry. Brittle books are placed in storage. Oversewing is replaced with sewing through the fold with our commercial binder.
	II, 3	Figure reported to the *1993-94 ARL Statistics* includes contract conservation (II, 2) and preservation supplies (II, 8).
	II, 8	Preservation supplies now include an additional $6,538 for acid-free pamphlet binders and acid free glue, for items going into the general collection.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $225, 595; (2) 433; (3) $94,402; (4) 0; (5) 0; (6) 0; (7) $94,835; (8) $10,738; (9) 0; (10) $331,168; (11) 0; (12) $11,818,411; (14) $4,512,053.
WAYNE STATE		Includes Law and Medical Libraries, Reuther Library, and Archives of Labor and Urban Affairs.
		Figures are for year ending September 30, 1994.
WESTERN ONTARIO		Excludes Graduate School of Library and Information Science, Brescia College, Huron College, and King's College.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $233,250; (2) $6,373; (3) $194,842; (4) 0; (5) 0; (6) 0; (7) $201,215; (8) U/A; (9) 0; (10) $434,465; (11) 0; (12) $14,990,878; (14) $5,392,069.
WISCONSIN		Includes Law and Medical Libraries.
	I, 3-6	Figure represents preservation staff at Memorial Library only.
	I, 4	Support staff includes 3.75 FTE working on specially funded projects.
	I, 5	Student staff includes .9 FTE working on specially funded projects and .35 FTE volunteer hours.
	I, 7-10	Figures represent preservation staff at Memorial, Law, Health Sciences, and Agriculture/Life Sciences Libraries.
	I, 7	Professional staff includes .06 FTE working on specially funded projects.
	I, 8	Support staff includes 3.79 FTE working on specially funded projects.
	I, 9	Student staff includes .9 FTE working on specially funded projects and .35 volunteer hours.

Institution	Category from Main Tables *(Table, column)*	Notes
WISCONSIN (cont'd)	II, 1-10	Figures include expenditures for Memorial, Law, Health Sciences, and Agriculture/Life Sciences Libraries.
	II, 6	Figure represents equipment repair contracts for Memorial Library Microfilm Lab.
	II, 9	Includes construction of new workspace ($49,606).
	III	Figures are for Memorial, Law, Health Sciences, and Agriculture/Life Sciences Libraries.
	IV, 1-2	Includes figures for Memorial, Agriculture/Life Sciences, and other General Library System libraries, as well as Law and Health Sciences, but does not include some libraries whose expenditures are incorporated into the total in II, 3.
YALE		Includes Law and Medical Libraries.
YORK		Includes Law Library and Glendon College.
		Figures are for fiscal year ending April 30, 1994.
	II, 1-12, 14	Expenditures in Canadian dollars were: (1) $111, 714; (2) 0; (3) $213,299; (4) 0; (5) 0; (6) 0; (7) $213,299; (8) $4,165; (9) 0; (10) $329,178; (11) 0; (12) $16,117,310; (14) $4,904,327.



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